

41-2°; hydrochloride, hygroscopic; chloroaurate, long orange needles, m. 149-50°; chloroplatinate, long light yellow needles, does not decompose 275°. α -Acetaminopropiophenone (b), obtained in 0.8 g. yield from 1 g. BzCHMeNH₂.HCl in 15 cc. ice H₂O and 2 cc. Ac₂O, rhombic pyramids from C₆H₆, m. 90-1°; with 2 parts PCl₅ 10 min. on the H₂O bath it gives 2,4-dimethyl-5-phenyloxazole, m. 51-2°; hydrochloride, hygroscopic rodlets, slowly volatilizes in vacuo, decompose by H₂O; chromate, orange needles, m. 100-1° (foaming); chloroplatinate, long yellow-red needles with 2 H₂O, m. 240° (foaming); chloroaurate, short rodlets; picrate, felted needles, m. 171-2.5°. 2,4-Dimethyl-5-phenylthiazole, obtained in 50% yield from equal parts of (b) and P₂S₄ heated 10 min. to 140°, b₇₆₈ 270-1°; hydrochloride, hygroscopic rodlets, decompose by much H₂O; chloroplatinate, long yellow-red needles with 2 H₂O, sinters 235°, m. 239-40° (foaming); chloroaurate, needles; chromate, fleshred needles, m. 105-6°; picrate, felted needles, m. 155.5-6.5°. Benzaminoisobutyrophenone, from BzCMe₂NH₂.HCl and BzCl in NaOH, needles from 50% alc., m. 61°, does not react with PCl₅ alone or in POCl₃. ω -Ethyloxalylaminoacetophenone, BzCH₂NHCOCOC₂Et, from BzCH₂NH₂.HCl in cold H₂O treated with NaHCO₃ and ClOCCOC₂Et, striated prisms from H₂O, m. 96-7°; the yield was so small that its reaction with PCl₄ could not be tried out.

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

118.45

286.04

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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10/614,116

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

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NEWS	6 FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	7 FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	8 MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	9 MAR 22	EMBASE is now updated on a daily basis
NEWS	10 APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	11 APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	12 APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS	13 APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS	14 APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS	15 APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS	16 MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	17 MAY 11	KOREAPAT updates resume
NEWS EXPRESS	FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability	
NEWS LOGIN	Welcome Banner and News Items	
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NEWS X25	X.25 communication option no longer available after June 2006	

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10/614,116

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FILE 'HOME' ENTERED AT 13:19:27 ON 18 MAY 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:19:36 ON 18 MAY 2006

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STRUCTURE FILE UPDATES: 16 MAY 2006 HIGHEST RN 884586-69-0

DICTIONARY FILE UPDATES: 16 MAY 2006 HIGHEST RN 884586-69-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

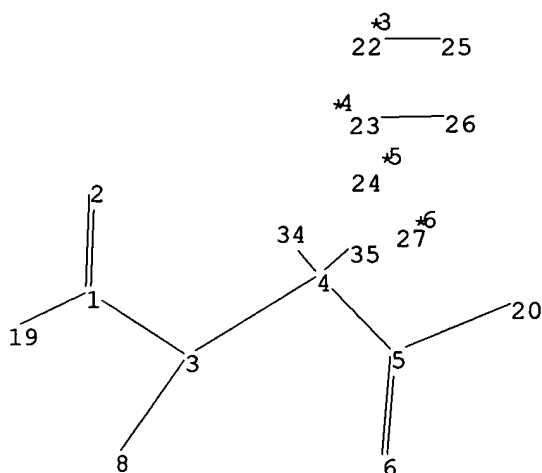
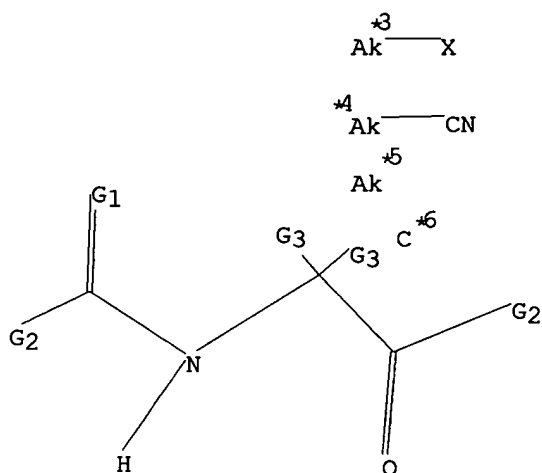
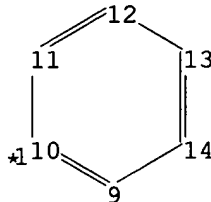
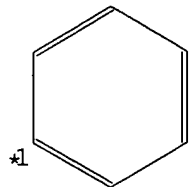
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

10/614,116

=>

Uploading C:\Program Files\Stnexp\Queries\10614116R1.str



chain nodes :

1 2 3 4 5 6 8 15 19 20 22 23 24 25 26 34 35

ring nodes :

9 10 11 12 13 14 27

chain bonds :

1-3 1-2 1-19 3-4 3-8 4-5 4-34 4-35 5-6 5-20 22-25 23-26

ring bonds :

9-10 9-14 10-11 11-12 12-13 13-14

exact/norm bonds :

1-3 1-2 1-19 3-4 4-34 4-35 5-6 5-20 22-25 23-26

exact bonds :

3-8 4-5

normalized bonds :

9-10 9-14 10-11 11-12 12-13 13-14

G1:O,S

G2:[*1],[*2]

G3:[*3],[*4],[*5],[*6]

Connectivity :

22:2 E exact RC ring/chain 23:2 E exact RC ring/chain 24:1 E exact RC ring/chain

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 8:CLASS 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 19:CLASS 20:CLASS 22:CLASS

23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:Atom 34:CLASS 35:CLASS

10/614,116

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 13:19:59 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 8633 TO ITERATE

23.2% PROCESSED 2000 ITERATIONS

2 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 167091 TO 178229

PROJECTED ANSWERS: 2 TO 348

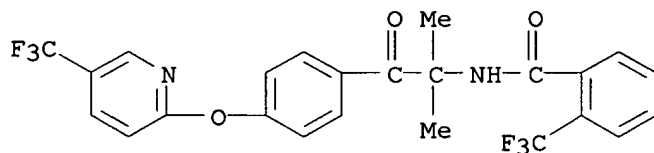
L2 2 SEA SSS SAM L1

=> d scan

L2 2 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]ethyl]-2-(trifluoromethyl)- (9CI)

MF C24 H18 F6 N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

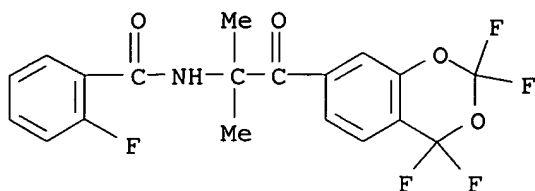
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 2 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,4,4-tetrafluoro-4H-1,3-benzodioxin-7-yl)ethyl]-2-fluoro- (9CI)

MF C19 H14 F5 N O4

10/614,116



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s l1 sss ful

FULL SEARCH INITIATED 13:20:28 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 170429 TO ITERATE

98.2% PROCESSED 167283 ITERATIONS

260 ANSWERS

100.0% PROCESSED 170429 ITERATIONS

316 ANSWERS

SEARCH TIME: 00.00.20

L3 316 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

167.38

167.59

FILE 'CAPLUS' ENTERED AT 13:20:55 ON 18 MAY 2006

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FILE COVERS 1907 - 18 May 2006 VOL 144 ISS 21

FILE LAST UPDATED: 17 May 2006 (20060517/ED)

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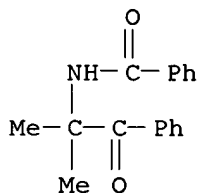
<http://www.cas.org/infopolicy.html>

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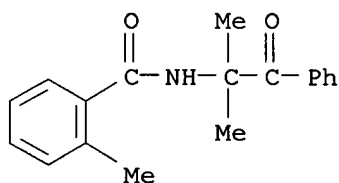
L4 23 L3

=> d l4 1-23 bib hitstr abs

L4 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:1062292 CAPLUS
 DN 144:6284
 TI Evaluation of Solution and Solid-Phase Approaches to the Synthesis of
 Libraries of α,α -Disubstituted- α -acylaminoketones
 AU Garcia, Javier; Mata, Ernesto G.; Tice, Colin M.; Hormann, Robert E.;
 Nicolas, Ernesto; Albericio, Fernando; Michelotti, Enrique L.
 CS Department of Organic Chemistry, University of Barcelona, Barcelona,
 08028, Spain
 SO Journal of Combinatorial Chemistry (2005), 7(6), 843-863
 CODEN: JCCHFF; ISSN: 1520-4766
 PB American Chemical Society
 DT Journal
 LA English
 IT 56965-16-3P 356032-56-9P 356032-59-2P
 500168-32-1P 500168-34-3P 500168-36-5P
 500168-38-7P 500168-40-1P 551963-67-8P
 551963-68-9P 551963-80-5P 551963-81-6P
 551963-82-7P 551963-83-8P 551963-84-9P
 551963-85-0P 551963-86-1P 551963-89-4P
 551963-90-7P 551963-91-8P 551963-92-9P
 551963-93-0P 551963-94-1P 551963-95-2P
 551963-97-4P
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 (solid phase, solution, and hybrid approaches to the synthesis of
 libraries of α,α -disubstituted- α -acylamino ketones
 using α,α -disubstituted amino acids, carboxylic acids, and
 organometallic reagents as starting compds.)
 RN 56965-16-3 CAPLUS
 CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)

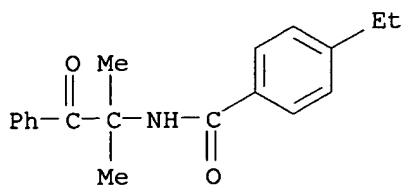


RN 356032-56-9 CAPLUS
 CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-methyl- (9CI) (CA INDEX NAME)



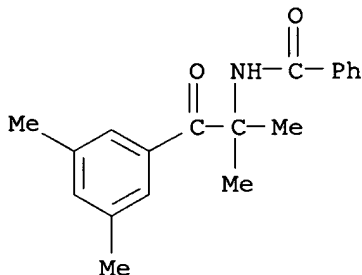
RN 356032-59-2 CAPLUS
 CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-ethyl- (9CI) (CA INDEX NAME)

10/614,116



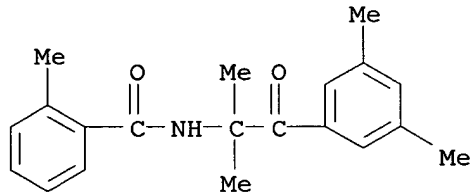
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CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



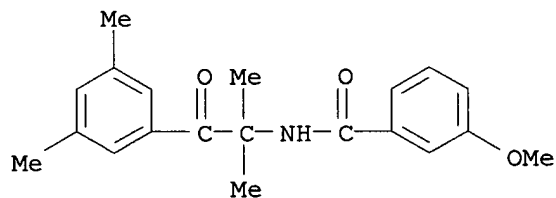
RN 500168-34-3 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 500168-36-5 CAPLUS

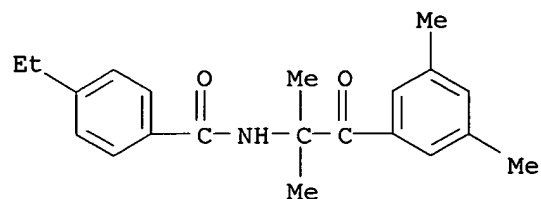
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RN 500168-38-7 CAPLUS

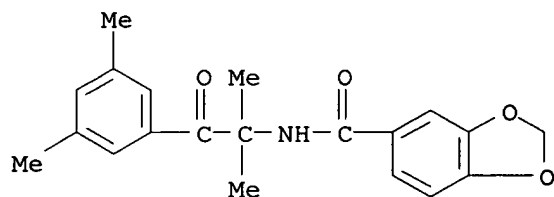
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10/614,116



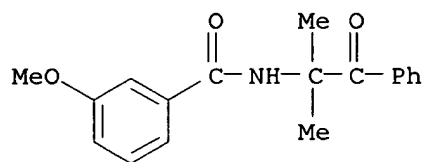
RN 500168-40-1 CAPLUS

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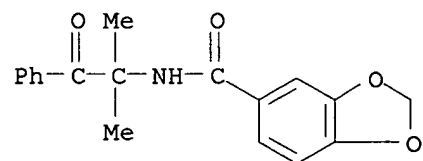
RN 551963-67-8 CAPLUS

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RN 551963-68-9 CAPLUS

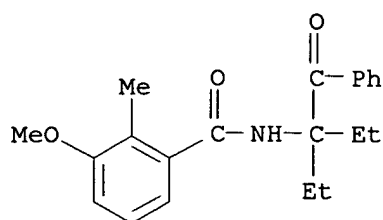
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RN 551963-80-5 CAPLUS

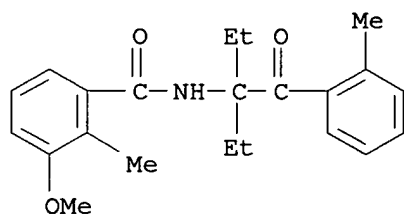
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10/614,116



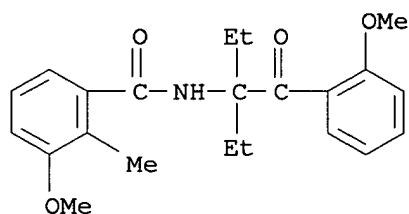
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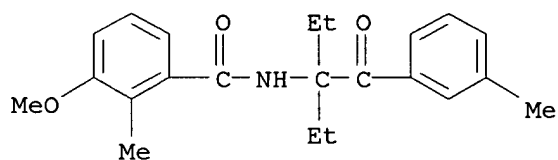
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(CA INDEX NAME)



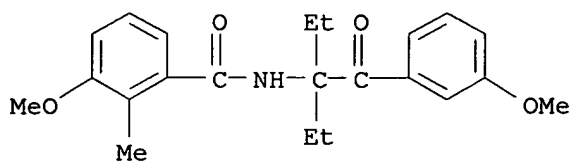
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(CA INDEX NAME)

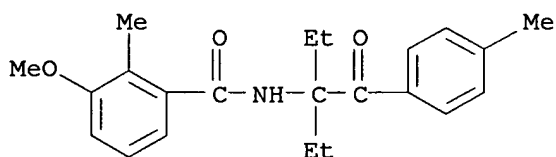


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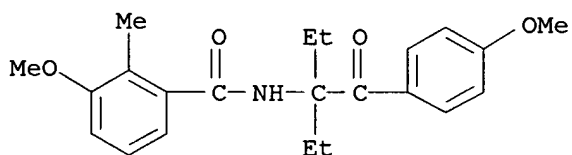
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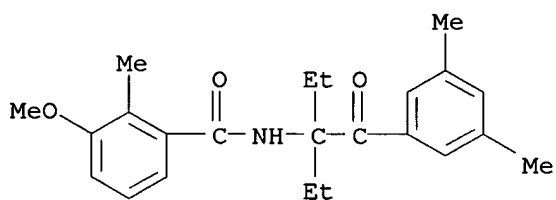
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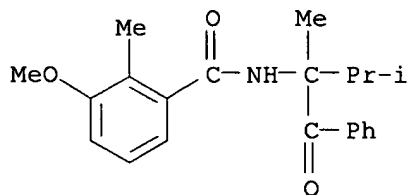
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(CA INDEX NAME)

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(CA INDEX NAME)

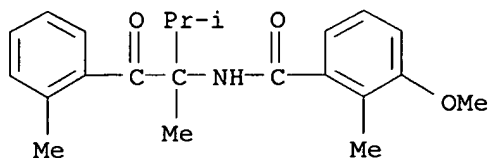
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(CA INDEX NAME)

10/614,116

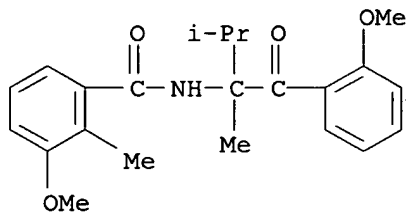
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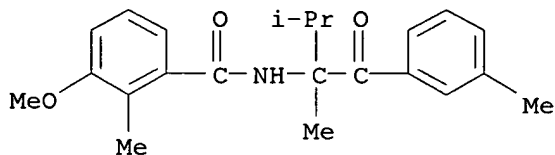
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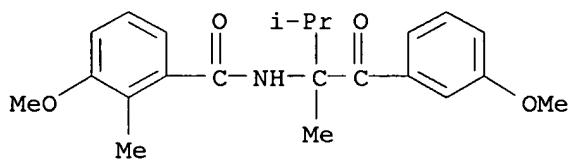
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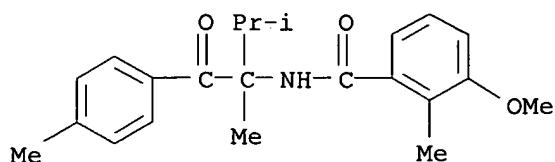
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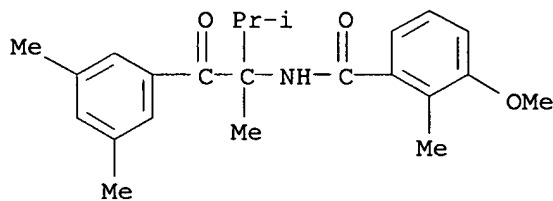
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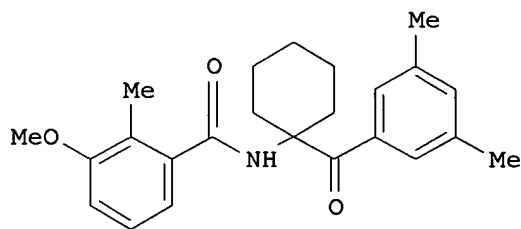


RN 551963-97-4 CAPLUS

CN Benzamide, N-[1-(3,5-dimethylbenzoyl)-1,2-dimethylpropyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



GI



I

AB Solid phase, solution, and hybrid approaches to the synthesis of small focused libraries of α,α -disubstituted- α -acylamino ketones have been explored. Solution and hybrid approaches that used support-bound reagents and scavenger resins were the most productive. The approaches explored included pure solid-phase synthesis (methods 1 and 2), traditional solution chemical (methods 5A and 5B), and approaches that combined features of both solid-phase and solution chemical (methods 3 and 4). We were unable to fully realize the advantages of solid-phase synthesis in method 1, because the loading of the amino acid onto the resin could not be driven to completion, which led to the formation of impurities in the final products. More promising results were obtained with methods 3 and 4, which were hybrid approaches that relied on strategic combinations of solution chemical, solid-phase steps, and a resin-bound reagent. The solution approaches (methods 5A and 5B) were able to produce the desired compds. in larger amts. and with less investment in method development and smaller quantities of reagents; however, laborious chromatog. purification was required after most steps. Four of the approaches (methods 1, 3, 4, and 5A) relied on reaction of a Weinreb amide with a Grignard reagent to form the ketone. For the small focused libraries prepared in this study, solution chemical was able

to deliver target compds. with a smaller investment in chemical development than solid-phase approaches. The compds. prepared were tested as ecdysone agonists. The most powerful compound prepared was I.

RE.CNT 95 THERE ARE 95 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:587129 CAPLUS
 DN 143:115547
 TI Preparation of carboxylic acid amide derivatives and fungicidal compositions containing them
 IN Nakamura, Yuji; Mitani, Shigeru; Yoneda, Tetsuo
 PA Ishihara Sangyo Kaisha, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 32 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PRAI	JP 2003-420864		20031218		
OS	MARPAT 143:115547				

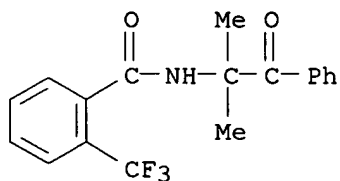
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 857731-98-7P 857731-99-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of carboxylic acid amide derivs. as agrochem. fungicides)

RN 356032-61-6 CAPLUS

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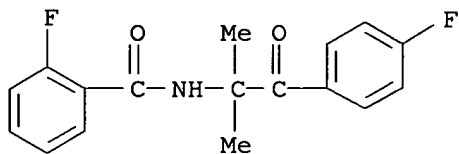


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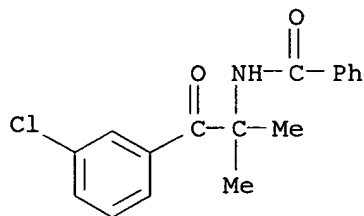
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(CA INDEX NAME)



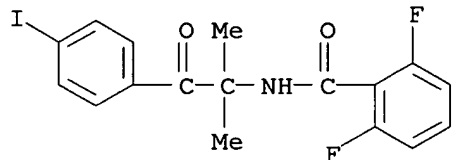
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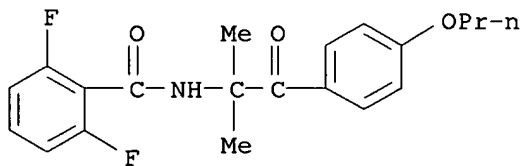
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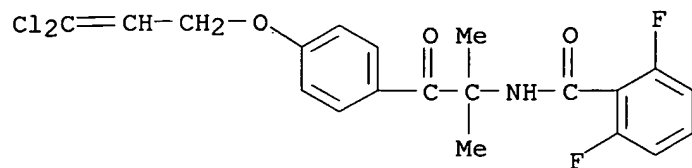
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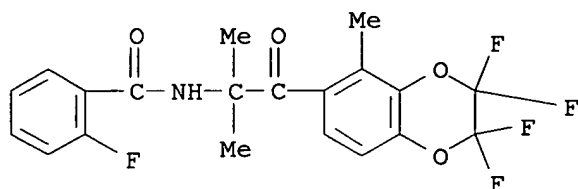
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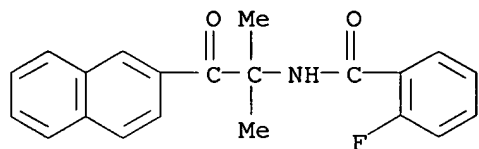
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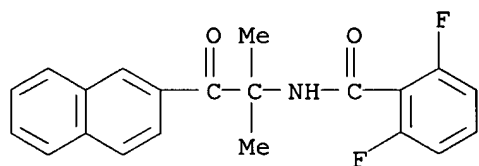
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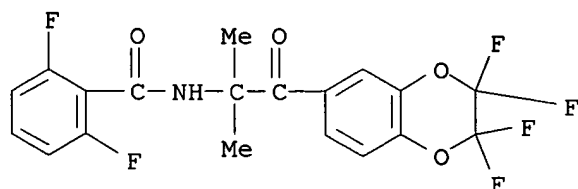
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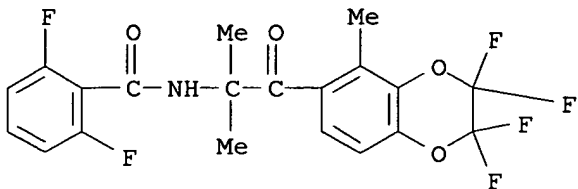
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10/614,116

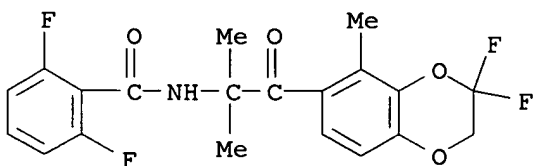
RN 503472-43-3 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,3,3-tetrafluoro-2,3-dihydro-5-methyl-1,4-benzodioxin-6-yl)ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



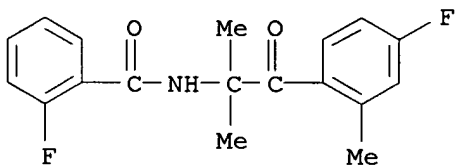
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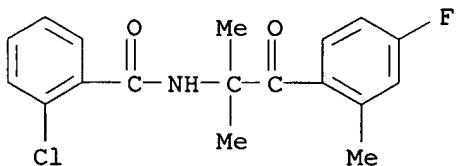
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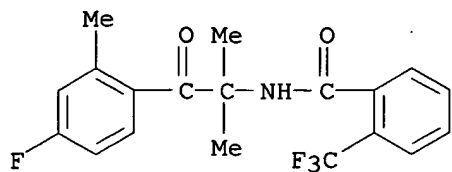
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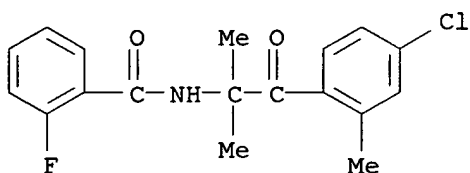
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10/614,116



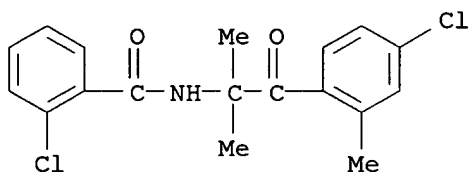
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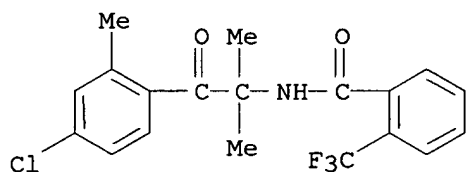
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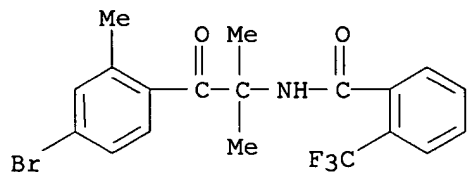
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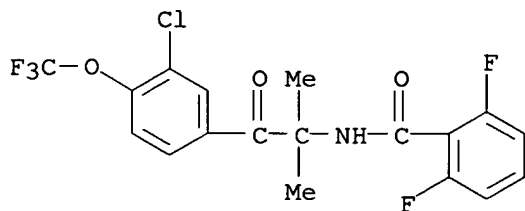
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10/614,116

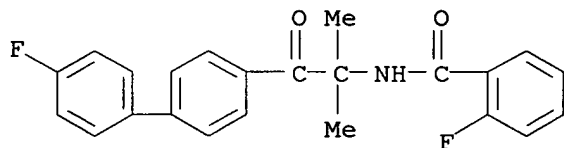
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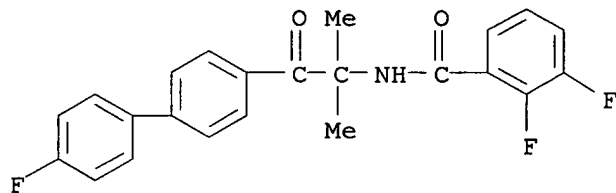
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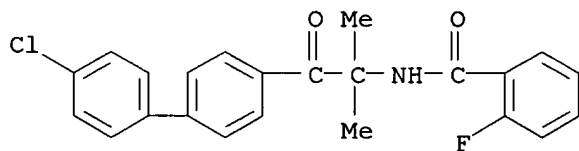
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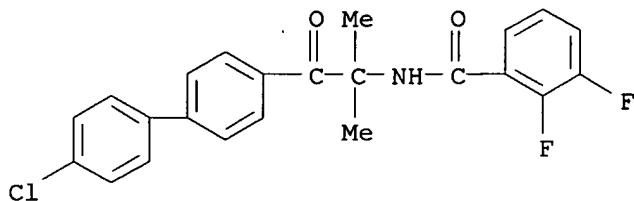
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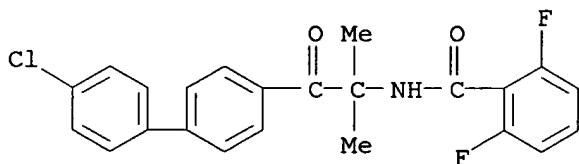
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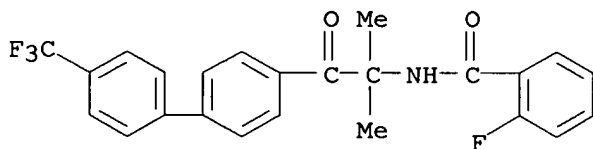
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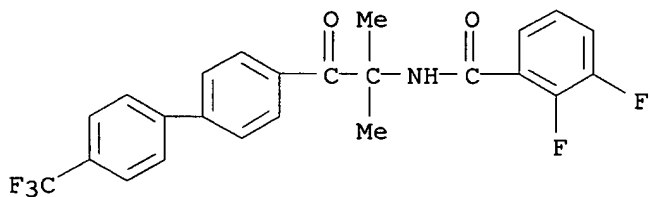
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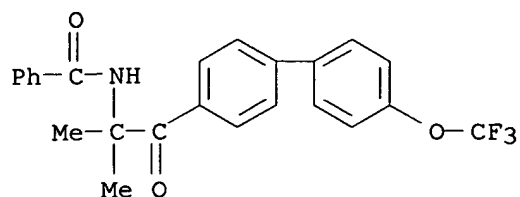
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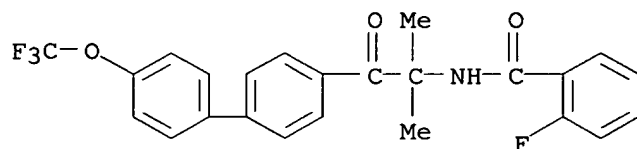
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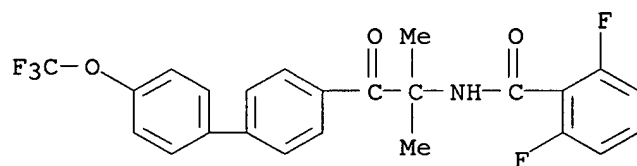
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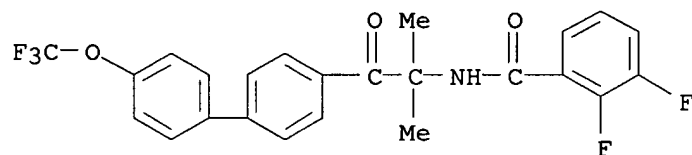
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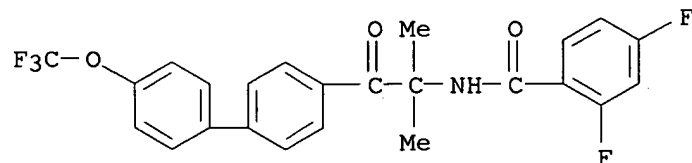
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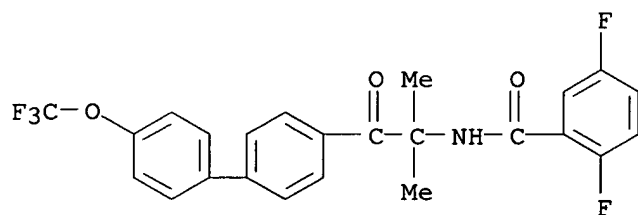
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10/614,116

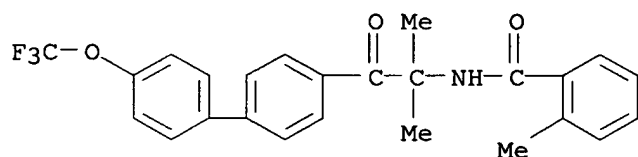
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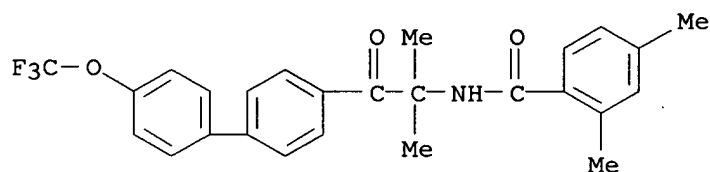
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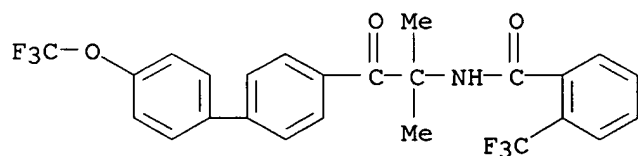
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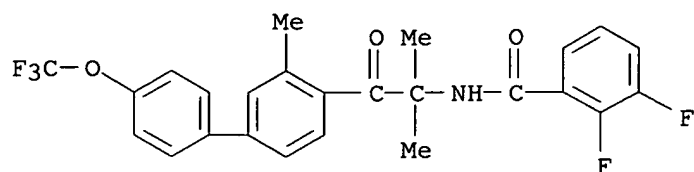
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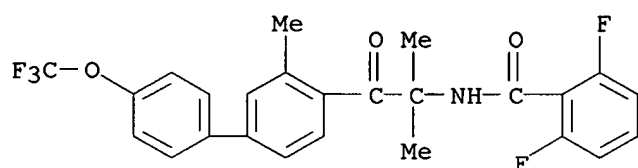
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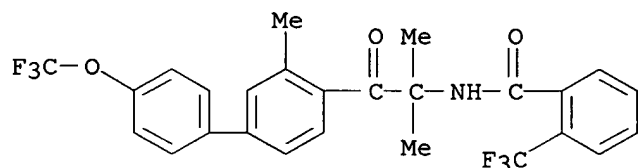
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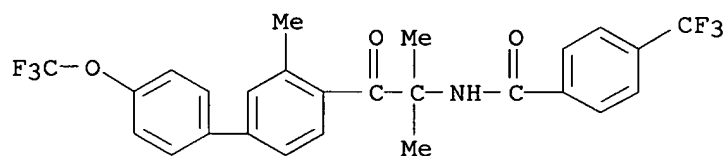
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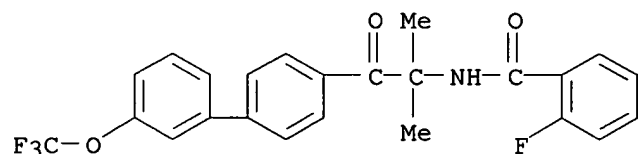
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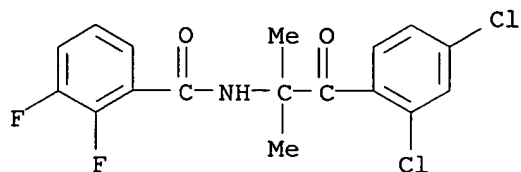
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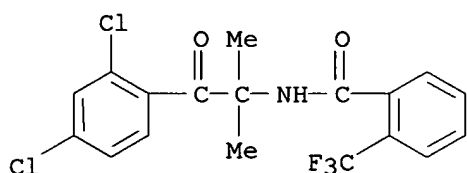
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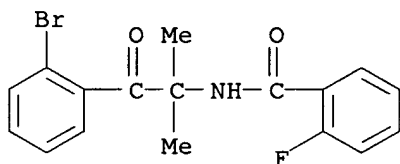
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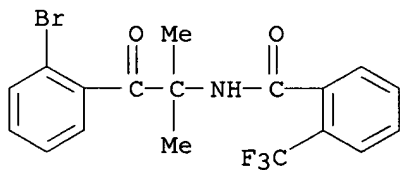
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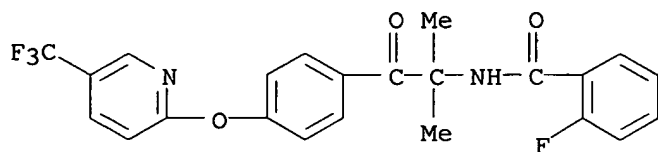
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RN 857731-47-6 CAPLUS

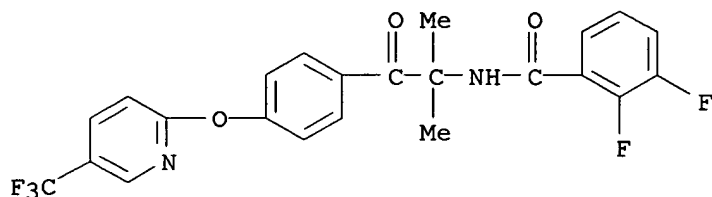
CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]ethyl]-2-fluoro- (9CI) (CA INDEX NAME)

10/614,116



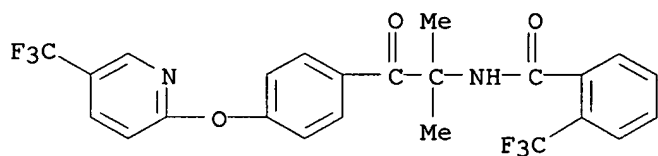
RN 857731-48-7 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]ethyl]-2,3-difluoro- (9CI) (CA INDEX NAME)



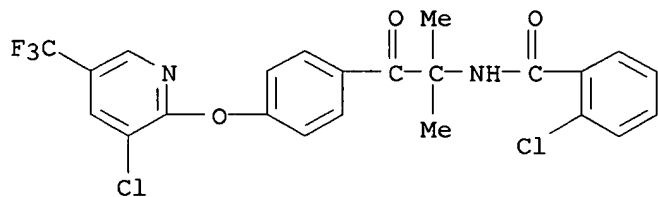
RN 857731-49-8 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]ethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



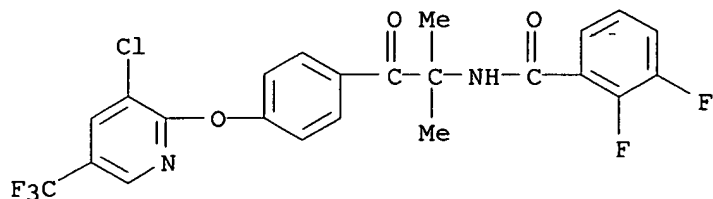
RN 857731-50-1 CAPLUS

CN Benzamide, 2-chloro-N-[2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



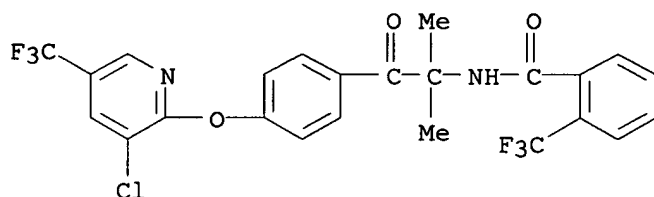
RN 857731-51-2 CAPLUS

CN Benzamide, N-[2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-1,1-dimethyl-2-oxoethyl]-2,3-difluoro- (9CI) (CA INDEX NAME)



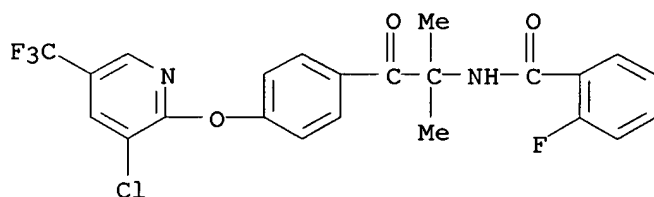
RN 857731-52-3 CAPLUS

CN Benzamide, N-[2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-1,1-dimethyl-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



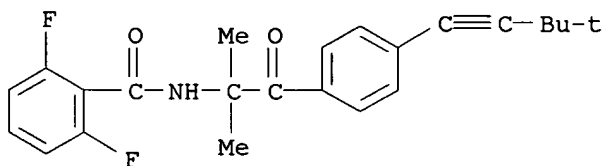
RN 857731-53-4 CAPLUS

CN Benzamide, N-[2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 857731-54-5 CAPLUS

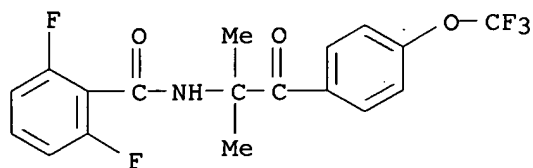
CN Benzamide, N-[2-[4-(3,3-dimethyl-1-butynyl)phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 857731-55-6 CAPLUS

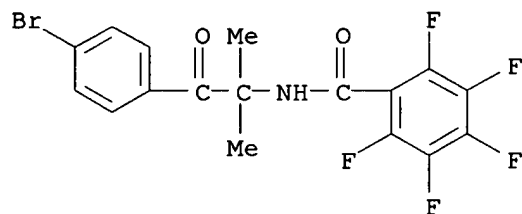
CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(trifluoromethoxy)phenyl]ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)

10/614,116



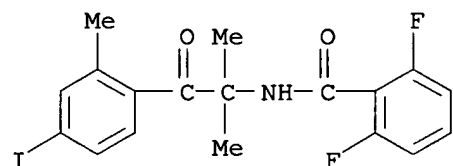
RN 857731-56-7 CAPLUS

CN Benzamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-2,3,4,5,6-pentafluoro- (9CI) (CA INDEX NAME)



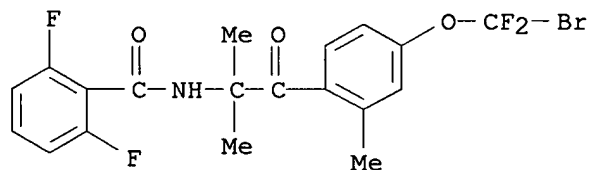
RN 857731-58-9 CAPLUS

CN Benzamide, 2,6-difluoro-N-[2-(4-iodo-2-methylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 857731-59-0 CAPLUS

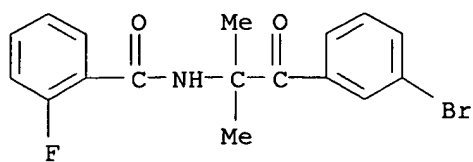
CN Benzamide, N-[2-[4-(bromodifluoromethoxy)-2-methylphenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 857731-60-3 CAPLUS

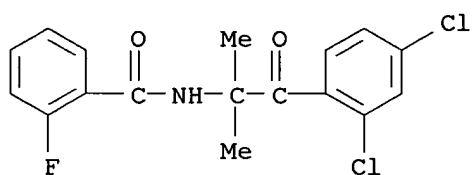
CN Benzamide, N-[2-(3-bromophenyl)-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)

10/614,116



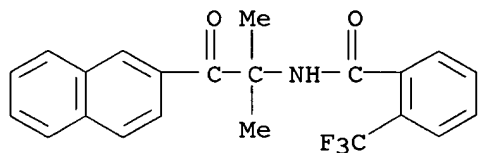
RN 857731-61-4 CAPLUS

CN Benzamide, N-[2-(2,4-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]-2-fluoro-
(9CI) (CA INDEX NAME)



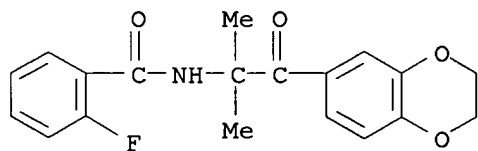
RN 857731-62-5 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-(2-naphthalenyl)-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



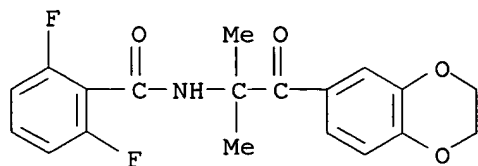
RN 857731-92-1 CAPLUS

CN Benzamide, N-[2-(2,3-dihydro-1,4-benzodioxin-6-yl)-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 857731-93-2 CAPLUS

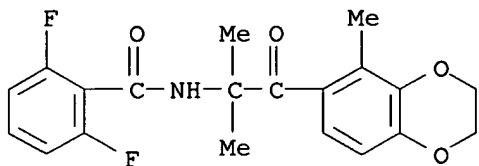
CN Benzamide, N-[2-(2,3-dihydro-1,4-benzodioxin-6-yl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 857731-94-3 CAPLUS

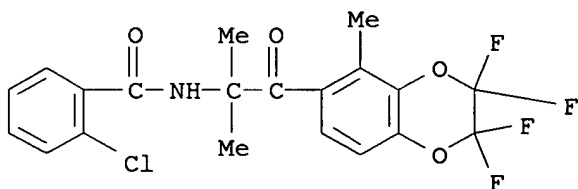
10/614,116

CN Benzamide, N-[2-(2,3-dihydro-5-methyl-1,4-benzodioxin-6-yl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



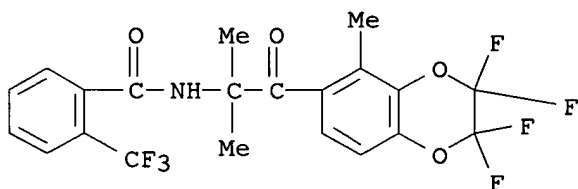
RN 857731-95-4 CAPLUS

CN Benzamide, 2-chloro-N-[1,1-dimethyl-2-oxo-2-(2,2,3,3-tetrafluoro-2,3-dihydro-5-methyl-1,4-benzodioxin-6-yl)ethyl]- (9CI) (CA INDEX NAME)



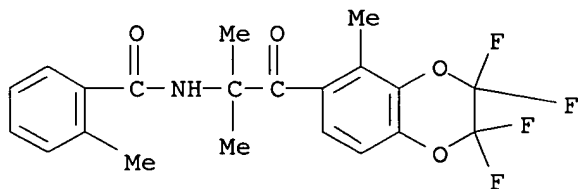
RN 857731-96-5 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,3,3-tetrafluoro-2,3-dihydro-5-methyl-1,4-benzodioxin-6-yl)ethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



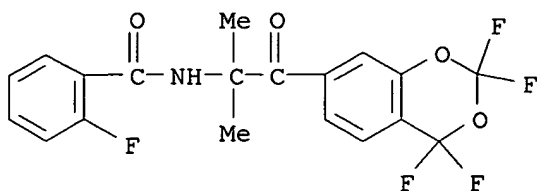
RN 857731-97-6 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,3,3-tetrafluoro-2,3-dihydro-5-methyl-1,4-benzodioxin-6-yl)ethyl]-2-methyl- (9CI) (CA INDEX NAME)



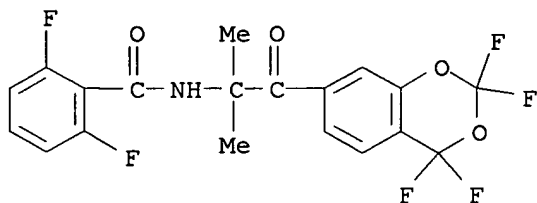
RN 857731-98-7 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,4,4-tetrafluoro-4H-1,3-benzodioxin-7-yl)ethyl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 857731-99-8 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,4,4-tetrafluoro-4H-1,3-benzodioxin-7-yl)ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)

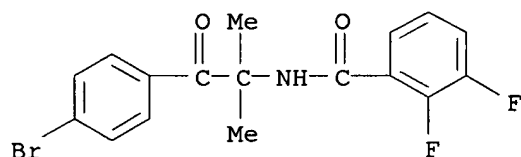


IT 356033-50-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of carboxylic acid amide derivs. as agrochem. fungicides)

RN 356033-50-6 CAPLUS

CN Benzamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-2,3-difluoro- (9CI) (CA INDEX NAME)



AB Fungicidal compns. containing carboxylic acid amide derivs. of formula A-CO-CR₁R₂-NHCO-B (A = Ph, naphthyl, benzodioxolanyl, or benzodioxanyl each optionally substituted by X; R₁, R₂ = alkyl; or R₁ and R₂ together form a 3- to 6-membered ring; wherein X = halo, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, alkoxy, haloalkoxy, alkenyloxy, haloalkenyloxy, alkynyloxy, haloalkynyloxy, each Y-substituted Ph, PhO, pyridyl, or pyridyloxy; Y = halo, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, alkoxy, haloalkoxy) as active ingredients are provided to control harmful fungi or plant diseases or to protect crops and improve crop yields. These compns. possess excellent preventive or controlling effect against harmful fungi such as oomycetes, ascomycetes, basidiomycetes, and deuteromycetes at low dosage with practically sufficient residual activity. Thus, 0.23 g Et₃N was added to a mixture of 0.39 g 2-amino-2-Pr 2,2-difluoro-4-methyl-1,3-benzodioxolan-5-yl ketone and 14 mL THF, followed by adding dropwise 0.38 g 2-trifluoromethylbenzoyl chloride under ice-cooling, and the resulting mixture was stirred at room temperature for 2 h to give, after workup and silica gel chromatog., 0.55 g N-[2-[(2,2-difluoro-4-methyl-1,3-benzodioxolan-5-yl)carbonyl]-2-propyl]-2-trifluoromethylbenzamide (I). I at 500 ppm controlled 90-100% Erysiphe graminis in wheat seedlings.

L4 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:801185 CAPLUS

DN 141:290564

TI Benzamide derivatives, their preparation, their uses as pesticides, and pest control using the derivatives

IN Nakamura, Yuji; Morita, Masayuki; Yoneda, Tetsuo; Izakura, Kenji

PA Ishihara Sangyo Kaisha, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 35 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004269449	A2	20040930	JP 2003-64433	20030311
PRAI	JP 2003-64433		20030311		
OS	MARPAT 141:290564				

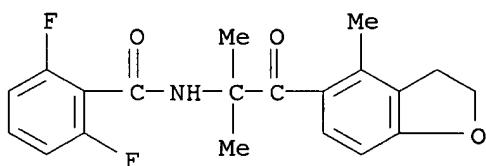
IT **765299-94-3P 765300-01-4P 765300-08-1P**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzamide derivs. as pesticides such as insecticides and acaricides and parasiticides)

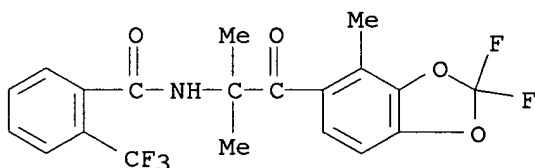
RN 765299-94-3 CAPLUS

CN Benzamide, N-[2-(2,3-dihydro-4-methyl-5-benzofuranyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



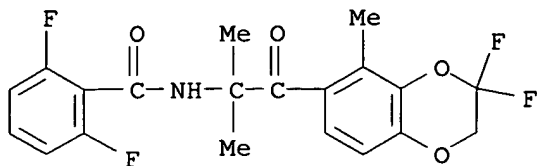
RN 765300-01-4 CAPLUS

CN Benzamide, N-[2-(2,2-difluoro-4-methyl-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 765300-08-1 CAPLUS

CN Benzamide, N-[2-(3,3-difluoro-2,3-dihydro-5-methyl-1,4-benzodioxin-6-yl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



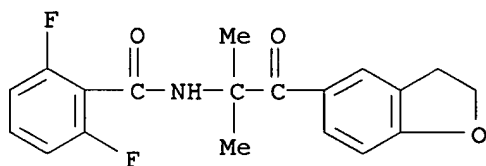
IT 765300-17-2 765300-18-3 765300-19-4
 765300-20-7 765300-21-8 765300-22-9
 765300-23-0 765300-24-1 765300-25-2

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(preparation of benzamide derivs. as pesticides such as insecticides and acaricides and parasiticides)

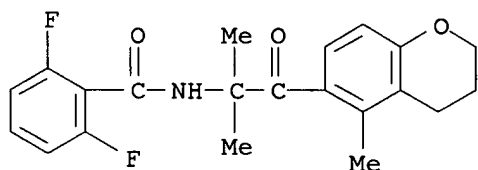
RN 765300-17-2 CAPLUS

CN Benzamide, N-[2-(2,3-dihydro-5-benzofuranyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



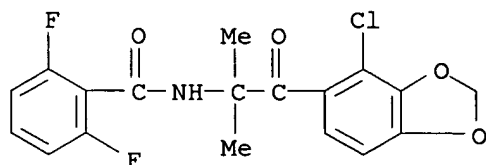
RN 765300-18-3 CAPLUS

CN Benzamide, N-[2-(3,4-dihydro-5-methyl-2H-1-benzopyran-6-yl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 765300-19-4 CAPLUS

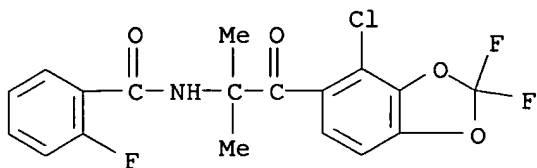
CN Benzamide, N-[2-(4-chloro-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 765300-20-7 CAPLUS

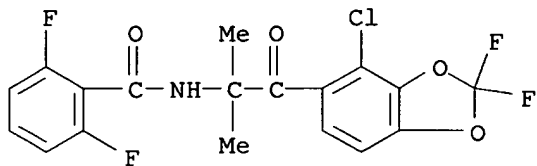
CN Benzamide, N-[2-(4-chloro-2,2-difluoro-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)

10/614,116



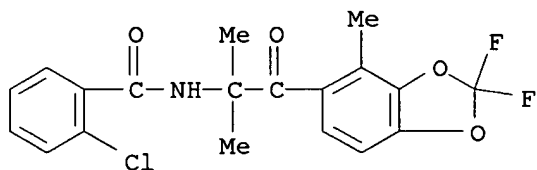
RN 765300-21-8 CAPLUS

CN Benzamide, N-[2-(4-chloro-2,2-difluoro-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



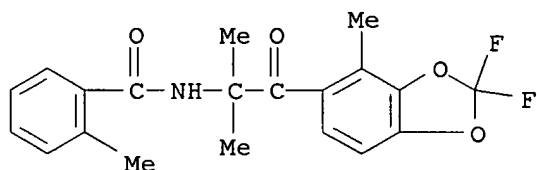
RN 765300-22-9 CAPLUS

CN Benzamide, 2-chloro-N-[2-(2,2-difluoro-4-methyl-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



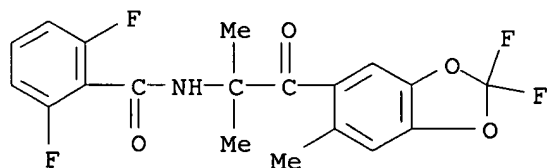
RN 765300-23-0 CAPLUS

CN Benzamide, N-[2-(2,2-difluoro-4-methyl-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2-methyl- (9CI) (CA INDEX NAME)



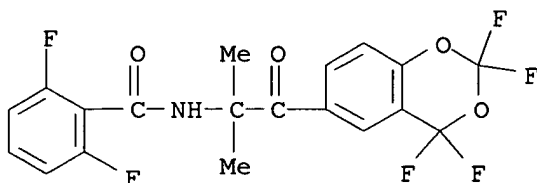
RN 765300-24-1 CAPLUS

CN Benzamide, N-[2-(2,2-difluoro-6-methyl-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 765300-25-2 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,4,4-tetrafluoro-4H-1,3-benzodioxin-6-yl)ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



AB ACOCR1R2NHCOB [I; A = Ph which is at least substituted with amino, (X-substituted) heterocyclyl, (X-substituted) condensed heterocyclyl, indanyl which may be substituted with halo, alkyl, or alkoxy; B = (Y-substituted) phenyl; X, Y = halo, alkyl, haloalkyl; R1, R2 = alkyl; except N-[1-methyl-1-(2'-methylisonicotinoyl)ethyl]benzamide] or their salts are prepared by reacting ACOCR1R2NH2 (A, R1, R2 = same as above) or their salts with BCOZ (B = same as above; Z = OH, alkoxy, halo). Also claimed are pesticides, insecticides, acaricides, nematocides, parasiticides, and endoparasitocides containing I or their salts. Thus, 2,6-difluoro-N-[2-[(3,3-difluoro-5-methyl-1,4-benzodioxan-6-yl)carbonyl]-2-propyl]benzamide (prepared from 3,3-difluoro-5-methyl-1,4-benzodioxane with 7 steps) inhibited tomato root knot formation due to *Meloidogyne incognita*. Agrochem. preps. of I were also formulated.

L4 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:41609 CAPLUS

DN 140:106460

TI Ketone ligands for ecdysterone receptors modulating the expression of exogenous genes via an ecdysone receptor complex

IN Tice, Colin M.; Michelotti, Enrique L.; Hormann, Robert E.

PA Rheogene, Inc, USA

SO PCT Int. Appl., 164 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

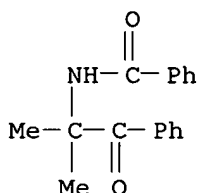
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004005478	A2	20040115	WO 2003-US21149	20030705
	WO 2004005478	A3	20040401		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2004049037	A1	20040311	US 2003-614116	20030703
	CA 2489590	AA	20040715	CA 2003-2489590	20030705
	EP 1534658	A2	20050601	EP 2003-763259	20030705
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	JP 2005532068	T2	20051027	JP 2004-519931	20030705
PRAI	US 2002-393960P	P	20020705		
	US 2003-614116	A	20030703		

WO 2003-US21149 W 20030705
 OS MARPAT 140:106460
 IT 56965-16-3P 356032-49-0P 356032-56-9P
 356032-59-2P 500168-32-1P 500168-34-3P
 500168-36-5P 500168-38-7P 500168-40-1P
 551963-67-8P 551963-68-9P 551963-69-0P
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RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation and use as ecdysteroid receptor ligand; ketone ligands for ecdysterone receptors modulating expression of exogenous genes via ecdysone receptor complex)

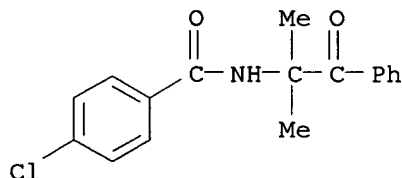
RN 56965-16-3 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



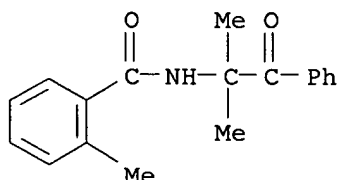
RN 356032-49-0 CAPLUS

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RN 356032-56-9 CAPLUS

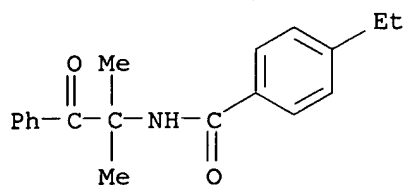
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-methyl- (9CI) (CA INDEX NAME)



10/614,116

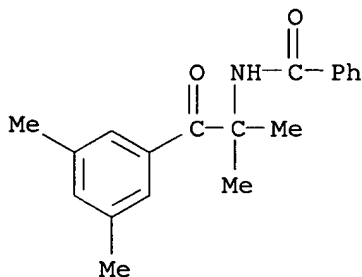
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CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-ethyl- (9CI) (CA INDEX NAME)



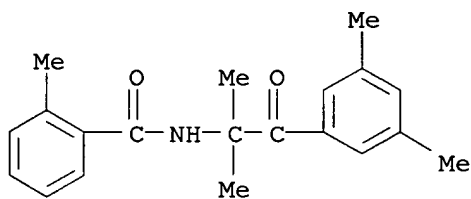
RN 500168-32-1 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



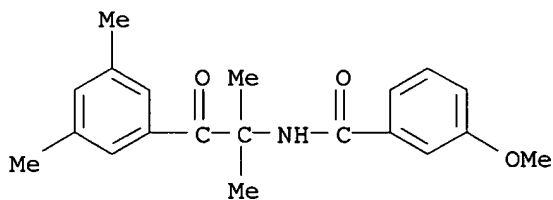
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CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 500168-36-5 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-3-methoxy- (9CI) (CA INDEX NAME)

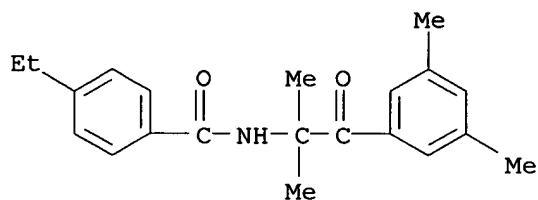


RN 500168-38-7 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-4-ethyl-

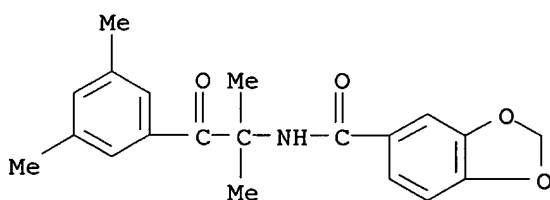
10/614,116

(9CI) (CA INDEX NAME)



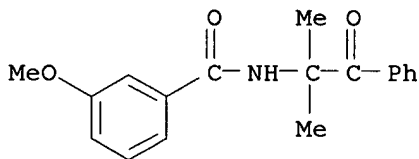
RN 500168-40-1 CAPLUS

CN 1,3-Benzodioxole-5-carboxamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



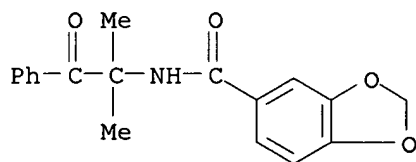
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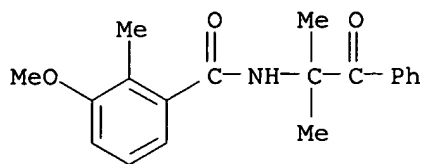
CN 1,3-Benzodioxole-5-carboxamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



RN 551963-69-0 CAPLUS

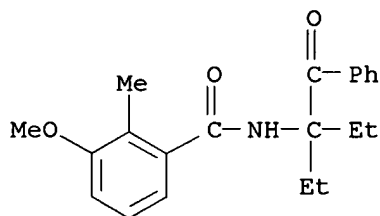
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)

10/614,116



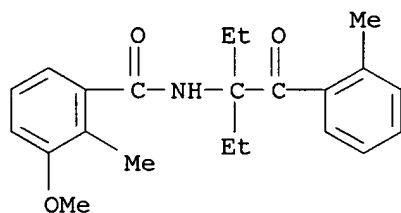
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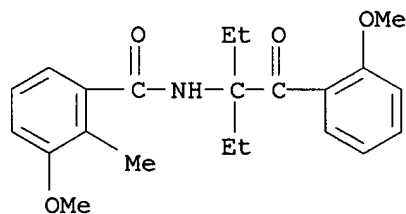
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CN Benzamide, N-[1-ethyl-1-(2-methylbenzoyl)propyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



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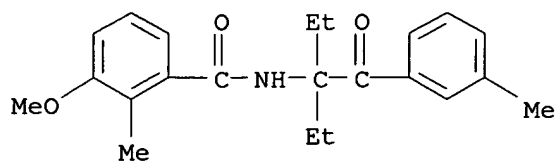
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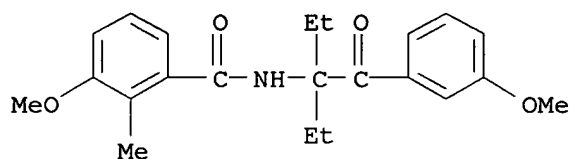
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10/614,116



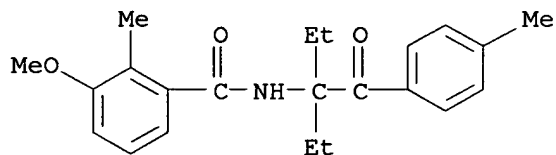
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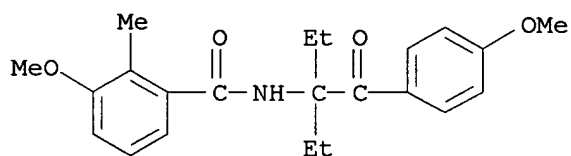
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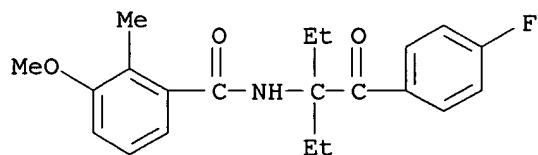
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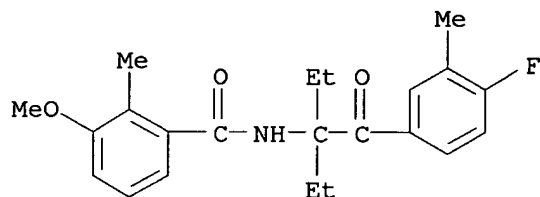


RN 551963-88-3 CAPLUS

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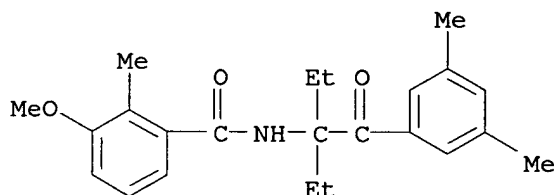
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methyl- (9CI) (CA INDEX NAME)



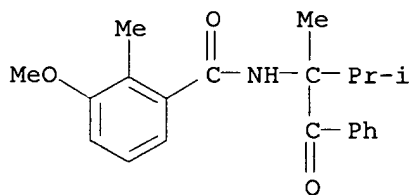
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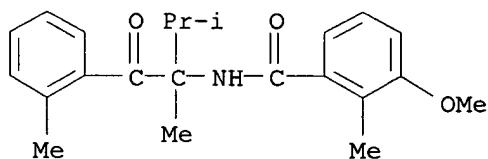
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CN Benzamide, N-(1-benzoyl-1,2-dimethylpropyl)-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



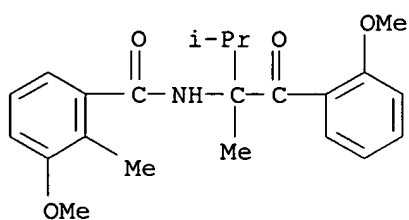
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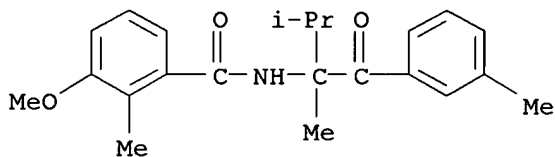


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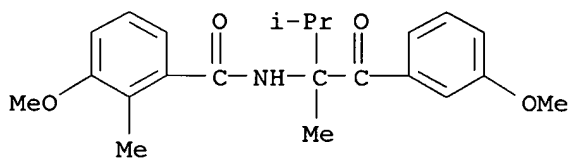
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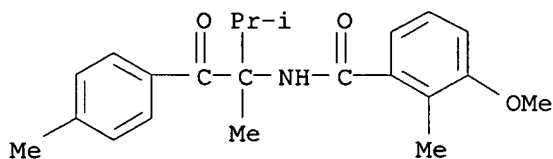
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CN Benzamide, N-[1,2-dimethyl-1-(3-methylbenzoyl)propyl]-3-methoxy-2-methyl-
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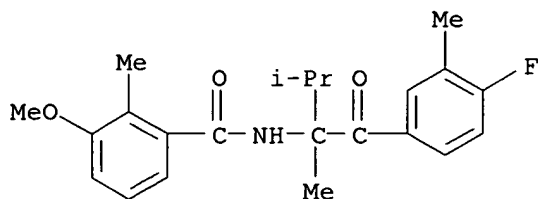
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RN 551963-96-3 CAPLUS

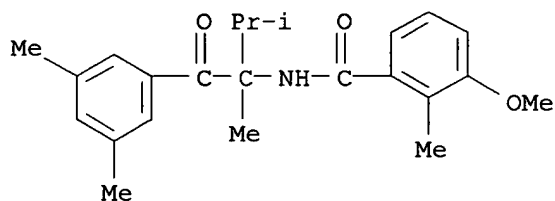
CN Benzamide, N-[1-(4-fluoro-3-methylbenzoyl)-1,2-dimethylpropyl]-3-methoxy-2-methyl-
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10/614,116



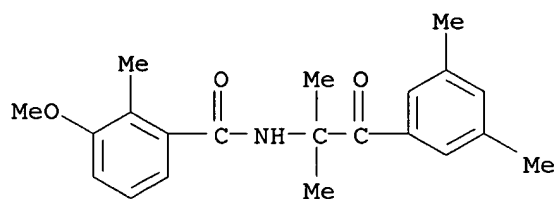
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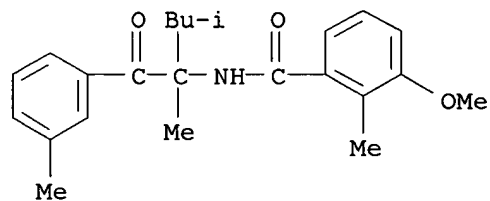
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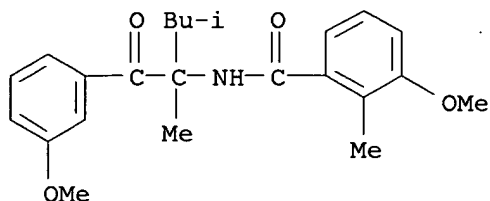
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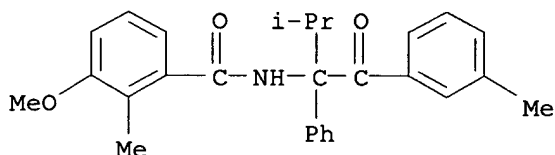
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CN Benzamide, 3-methoxy-N-[1-(3-methoxybenzoyl)-1,3-dimethylbutyl]-2-methyl- (9CI) (CA INDEX NAME)



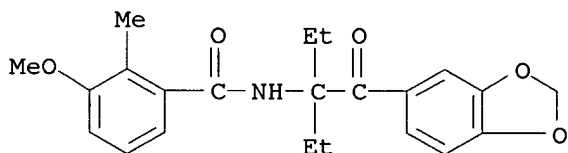
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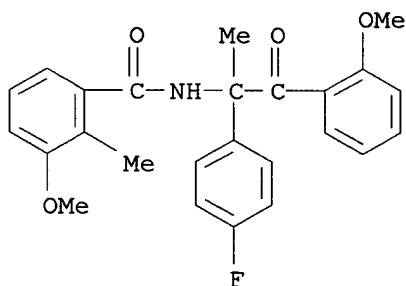
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CN Benzamide, N-[1-(1,3-benzodioxol-5-ylcarbonyl)-1-ethylpropyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



RN 644979-89-5 CAPLUS

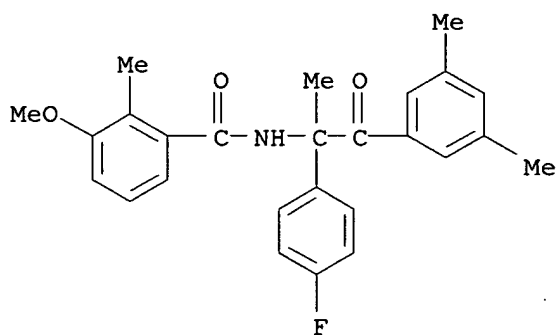
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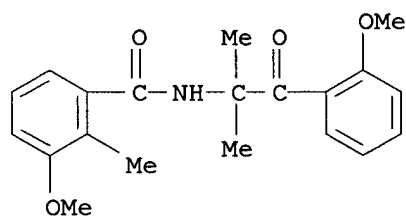
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10/614,116



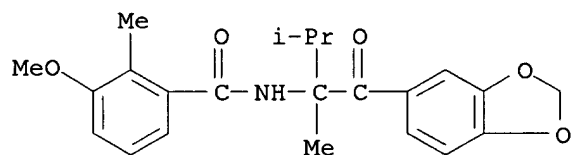
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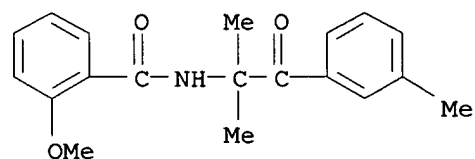
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CN Benzamide, N-[1-(1,3-benzodioxol-5-ylcarbonyl)-1,2-dimethylpropyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



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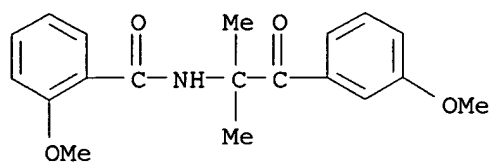
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RN 644980-17-6 CAPLUS

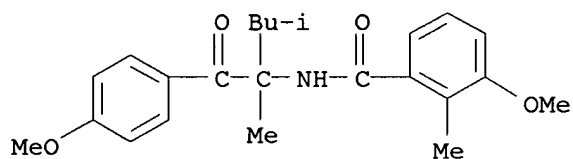
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10/614,116



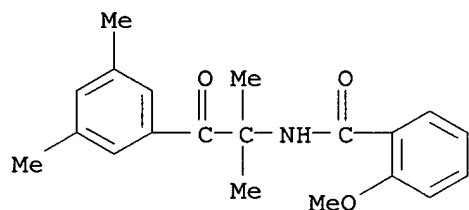
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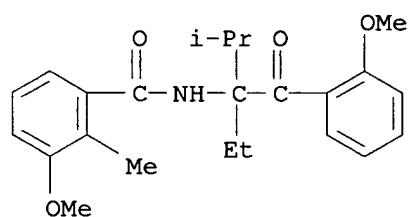
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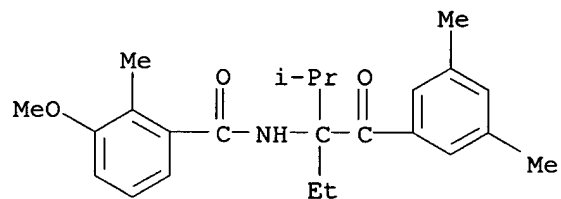
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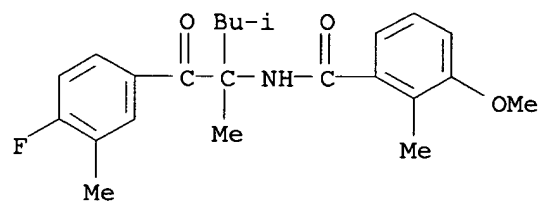
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methyl- (9CI) (CA INDEX NAME)

10/614,116



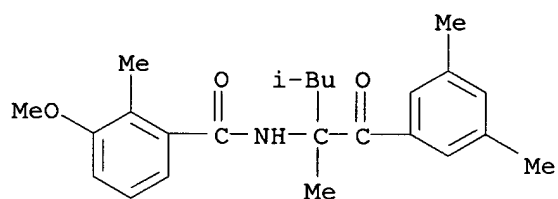
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CN Benzamide, N-[1-(4-fluoro-3-methylbenzoyl)-1,3-dimethylbutyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)

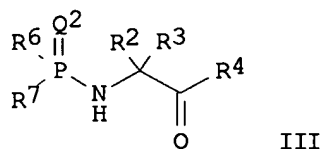
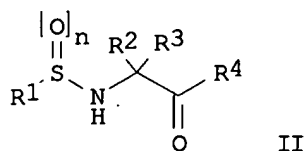
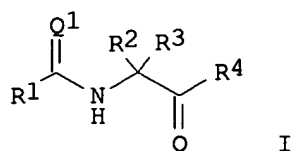


RN 644981-76-0 CAPLUS

CN Benzamide, N-[1-(3,5-dimethylbenzoyl)-1,3-dimethylbutyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



GI



AB Ketone ligands (I, II, III, R1-R5 are independently C1-6 alkyl or cycloalkyl or their derivs.; Ph or naphthyl derivs. including heterocycles; Q1 and Q2 are independently O or S) are described for the ecdysterone receptor that can be used to regulate gene expression using a fusion protein of the receptor and DNA-binding and transactivation domains. The ligands give a tight regulation and high induction of a gene under control of the receptor when the two components are used in a two component system. The system places the DNA-binding domain and transactivation domains on sep. components of the system. This system also shows improved responses to ponasterone A and muristerone A.

L4 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:570748 CAPLUS

DN 139:133475

TI Preparation of acridones as inhibitors of inosine monophosphate dehydrogenase (IMPDH) useful against psoriasis, transplant rejection and rheumatoid arthritis

IN Iwanowicz, Edwin J.; Watterson, Scott H.; Chen, Ping; Dhar, T. G. Murali; Gu, Henry H.; Zhao, Yufen

PA Bristol-Myers Squibb Company, USA

SO PCT Int. Appl., 314 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003059269	A2	20030724	WO 2002-US41530	20021220
	WO 2003059269	A3	20031231		
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2002360797 A1 20030730 AU 2002-360797 20021220
 US 2003181497 A1 20030925 US 2002-325009 20021220
 US 6916809 B2 20050712
 US 2004053955 A1 20040318 US 2002-324306 20021220
 EP 1458392 A2 20040922 EP 2002-796078 20021220

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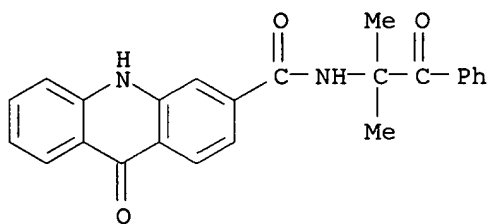
PRAI US 2001-343234P P 20011221
 WO 2002-US41530 W 20021220

OS MARPAT 139:133475

IT **566156-30-7P**, 9-Oxo-9,10-dihydroacridine-3-carboxylic acid
 N-[1-benzoyl-1-methylethyl]amide **566157-74-2P**,
 2-Methyl-9-oxo-9,10-dihydroacridine-3-carboxylic acid N-[1-benzoyl-1-methylethyl]amide **566162-43-4P**, 2-Bromo-9-oxo-9,10-dihydroacridine-3-carboxylic acid N-(1-benzoyl-1-methylethyl)amide
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of acridones as inhibitors of inosine monophosphate dehydrogenase useful against psoriasis, transplant rejection and rheumatoid arthritis)

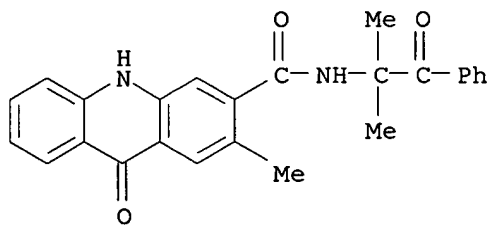
RN 566156-30-7 CAPLUS

CN 3-Acridinecarboxamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-9,10-dihydro-9-oxo- (9CI) (CA INDEX NAME)



RN 566157-74-2 CAPLUS

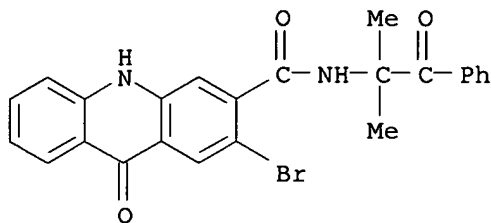
CN 3-Acridinecarboxamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-9,10-dihydro-2-methyl-9-oxo- (9CI) (CA INDEX NAME)



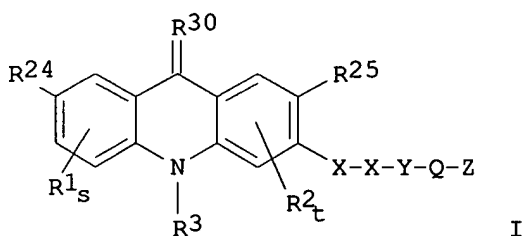
RN 566162-43-4 CAPLUS

10/614,116

CN 3-Acridinecarboxamide, 2-bromo-N-(1,1-dimethyl-2-oxo-2-phenylethyl)-9,10-dihydro-9-oxo- (9CI) (CA INDEX NAME)



GI



AB Acridones (shown as I; variables defined below; e.g. N-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-1-methylethyl]-9,10-dihydro-9-oxo-3-acridinecarboxamide) and their inhibition of inosine monophosphate dehydrogenase are claimed. For I: R3 = H, OH and NH2; R30 = O and S; W is -C(O)-, -S(O)-, or -S(O)2-; or W may be -CH2- if X is -C(O)-; X = -CH2-, -N(R4)-, and -O-, except that when W is -CH2-, X is -C(O)-; Y is a bond or -C(R40)(R45)-; Q is a linker; Z is (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, or heterocyclyl; addnl. details are given in the claims. The authors state that I are capable of inhibiting IMPDH at a measurable level, but no values are given. Although the methods of preparation are not claimed, many example preps. and characterization data for >400 examples of I are included.

L4 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:363821 CAPLUS

DN 139:230436

TI Optimization of α -acylaminoketone ecdysone agonists for control of gene expression

AU Tice, Colin M.; Hormann, Robert E.; Thompson, Christine S.; Friz, Jennifer L.; Cavanaugh, Caitlin K.; Saggars, Jessica A.

CS RHeoGene, Spring House, PA, 19477-0949, USA

SO Bioorganic & Medicinal Chemistry Letters (2003), 13(11), 1883-1886
CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Science B.V.

DT Journal

LA English

OS CASREACT 139:230436

IT **551963-89-4P 594872-49-8P**

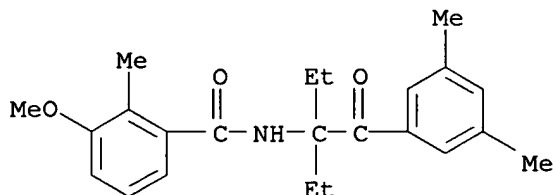
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of α -acylamino ketone ecdysone agonists for control of gene expression)

RN 551963-89-4 CAPLUS

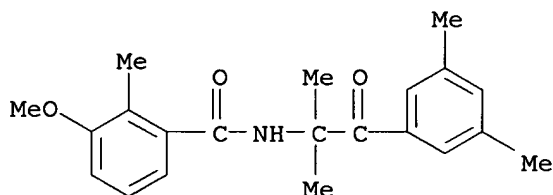
10/614,116

CN Benzamide, N-[1-(3,5-dimethylbenzoyl)-1-ethylpropyl]-3-methoxy-2-methyl-
(9CI) (CA INDEX NAME)

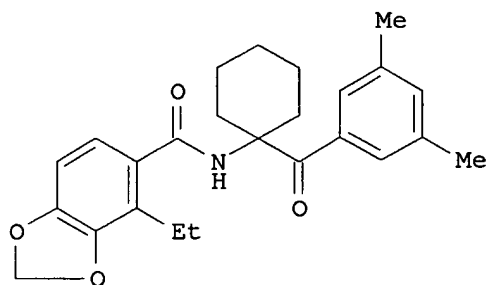


RN 594872-49-8 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



GI



I

AB Fifteen new α -acylamino ketones were prepared by four different routes in an initial effort to optimize the potency of these compds. as ecdysone agonists. The compds. were assayed in mammalian cells expressing the ecdysone receptors from *Bombyx mori* (BmEcR) and *Choristoneura fumiferana* (CfEcR) for their ability to cause expression of a reporter gene downstream of an ecdysone response element. The α -acylamino ketone I has activity equal to that of 2,3-Et(MeO)C₆H₃CONHN(CMe₃)COC₆H₃Me₂-3,5 in the assay based on CfEcR.

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:335106 CAPLUS

DN 138:368913

TI Preparation of furo[2,3-h]isoquinoline derivatives as viral entry inhibitors against HIV

IN Kawano, Yasuhiko; Fujii, Nobuhiro; Kanzaki, Naoyuki; Iizawa, Yuji

PA Takeda Chemical Industries, Ltd., Japan

10/614,116

SO PCT Int. Appl., 677 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003035650	A1	20030501	WO 2002-JP9760	20020924
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	JP 2003171381	A2	20030620	JP 2002-278590	20020925
PRAI	JP 2001-290675	A	20010925		
OS	MARPAT 138:368913				

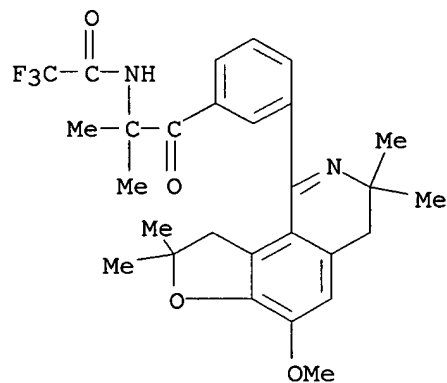
IT **521067-28-7P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of viral entry inhibitors against HIV for prevention and/or treatment of HIV infection and AIDS)

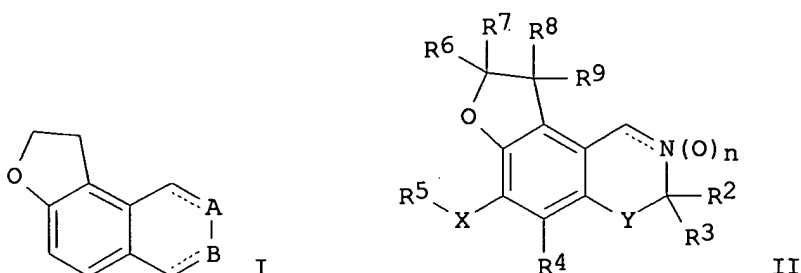
RN 521067-28-7 CAPLUS

CN Acetamide, N-[1,1-dimethyl-2-oxo-2-[3-(3,4,8,9-tetrahydro-6-methoxy-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)phenyl]ethyl]-2,2,2-trifluoro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

GI



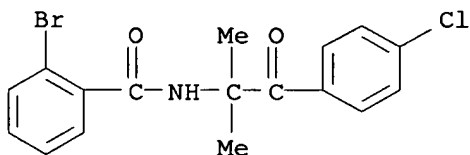
AB Disclosed is a HIV-entry inhibitor which comprises either a compound having a partial structure represented by the formula (I; wherein one of A and B represents nitrogen and the other represents carbon and a solid line accompanied by a dotted line indicates a single bond or double bond) or a salt of I, more specifically a compound represented by a general formula [II; R1 = H, each (un)substituted hydrocarbyl, heterocyclyl, or NH2; R2, R3 = H, (un)substituted hydrocarbyl, acyl; or R2 and R3 together with the adjacent C atom form an (un)substituted 3- to 8-membered ring; R4 = H, cyano, (un)substituted hydrocarbyl, acyl, (un)substituted HO; R5 = H, each (un)substituted hydrocarbyl or heterocyclyl, halo; R6, R7 = H, (un)substituted hydrocarbyl; or R6 and R7 together with the adjacent C atom form a 3- to 8-membered ring; R8, R9 = H, (un)substituted hydrocarbyl; X = a bond, O, optionally oxidized S, (un)substituted NH; Y = (un)substituted CH2; n = 0,1; a solid line accompanied by a dotted line represents a single or double bond] or a salt or prodrug of II. These compds. act on HIV envelope protein (Env), inhibit the fusion of Env with cell membrane, exhibit excellent oral absorbability, and are useful for the prevention and/or treatment of HIV infection, in particular AIDS. Thus, to a suspension of 365 mg 3'-(3,4,8,9-tetrahydro-6-methoxy-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)-1,1-biphenyl-4-carboxylic acid, 75 mg 40% methylamine/MeOH solution, and 135 mg 1-hydroxy-1H-benzotriazole in 1.5 mL DMF was added 200 mg 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride and stirred at room temperature for 20 h to give N-methyl-3'-(3,4,8,9-tetrahydro-6-methoxy-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)-1,1-biphenyl-4-carboxamide (III). III showed IC50 of 7.5 nM for inhibiting the entry infection of acute lymphoblast leukemia MOL-4 cells transfected with plasmids pLTR-Luc and pMSR α -puro-CCR5 against HEK293 cells transfected with plasmids pSG5-tat, pSG322-env, and pSG5-rev. A several formulations containing II were also described.

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

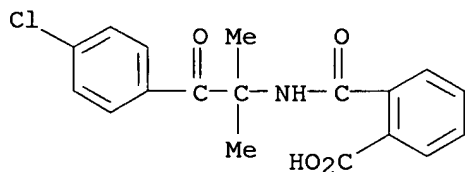
L4 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:261800 CAPLUS
DN 138:271704
TI Preparation of acid amide derivatives as pesticides
IN Nakamura, Yuji; Morita, Masayuki; Yoneda, Tetsuo; Izakura, Kenji
PA Ishihara Sangyo Kaisha, Ltd., Japan
SO PCT Int. Appl., 233 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003027059	A1	20030403	WO 2002-JP9560	20020918
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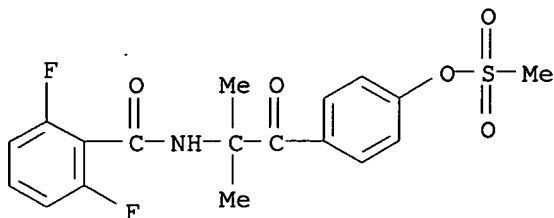
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,
 LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
 UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
 CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 JP 2003176258 A2 20030624 JP 2002-270729 20020917
 CA 2460789 AA 20030403 CA 2002-2460789 20020918
 EP 1428817 A1 20040616 EP 2002-767967 20020918
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
 US 2004254237 A1 20041216 US 2004-489778 20040317
 PRAI JP 2001-283969 A 20010918
 WO 2002-JP9560 W 20020918
 OS MARPAT 138:271704
 IT **356032-91-2**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (Suzuki coupling with thienylboronic acid; preparation of acid amide derivs.
 as pesticides such as insecticides, acaricides, nematocides, and animal
 parasitocides)
 RN 356032-91-2 CAPLUS
 CN Benzamide, 2-bromo-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
 (CA INDEX NAME)



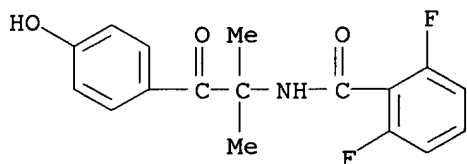
IT **503471-49-6P 503471-52-1P 503471-53-2P**
503471-55-4P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT
 (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP
 (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of acid amide derivs. as pesticides such as insecticides,
 acaricides, nematocides, and animal parasitocides)
 RN 503471-49-6 CAPLUS
 CN Benzoic acid, 2-[[[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 503471-52-1 CAPLUS
 CN Benzamide, N-[1,1-dimethyl-2-[4-[(methylsulfonyl)oxy]phenyl]-2-oxoethyl]-
 2,6-difluoro- (9CI) (CA INDEX NAME)

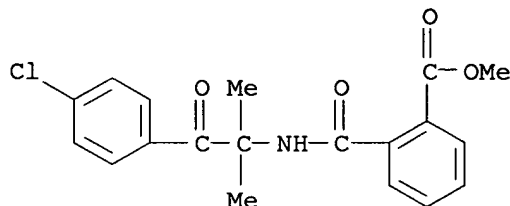


RN 503471-53-2 CAPLUS

CN Benzamide, 2,6-difluoro-N-[2-(4-hydroxyphenyl)-1,1-dimethyl-2-oxoethyl]-
(9CI) (CA INDEX NAME)

RN 503471-55-4 CAPLUS

CN Benzoic acid, 2-[[[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



IT 503471-50-9P 503471-54-3P 503471-56-5P
 503471-57-6P 503471-58-7P 503471-60-1P
 503471-61-2P 503471-62-3P 503471-63-4P
 503471-64-5P 503471-65-6P 503471-66-7P
 503471-67-8P 503471-68-9P 503471-69-0P
 503471-70-3P 503471-71-4P 503471-72-5P
 503471-73-6P 503471-74-7P 503471-91-8P
 503471-92-9P 503471-93-0P 503471-94-1P
 503471-95-2P 503471-96-3P 503471-97-4P
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 503472-11-5P 503472-12-6P 503472-33-1P
 503472-34-2P 503472-35-3P 503472-36-4P
 503472-37-5P 503472-38-6P 503472-42-2P
 503472-43-3P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

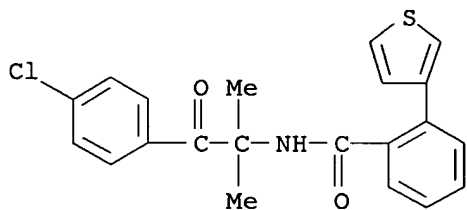
(preparation of acid amide derivs. as pesticides such as insecticides,
 acaricides, nematocides, and animal parasiticides)

RN 503471-50-9 CAPLUS

CN Benzamide, N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-2-(3-thienyl)-

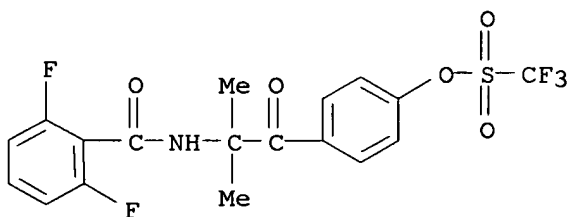
10/614,116

(9CI) (CA INDEX NAME)



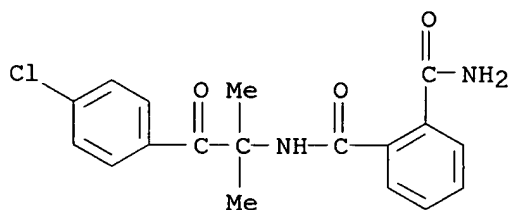
RN 503471-54-3 CAPLUS

CN Methanesulfonic acid, trifluoro-, 4-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]phenyl ester (9CI) (CA INDEX NAME)



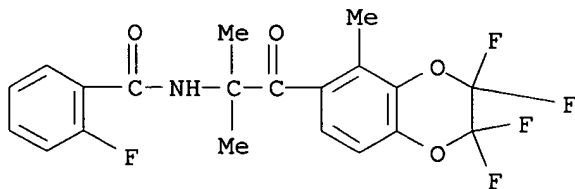
RN 503471-56-5 CAPLUS

CN 1,2-Benzenedicarboxamide, N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 503471-57-6 CAPLUS

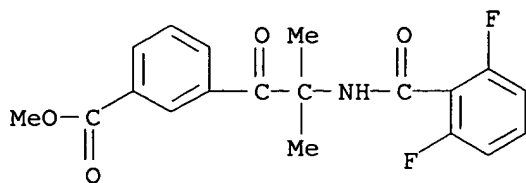
CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,3,3-tetrafluoro-2,3-dihydro-5-methyl-1,4-benzodioxin-6-yl)ethyl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 503471-58-7 CAPLUS

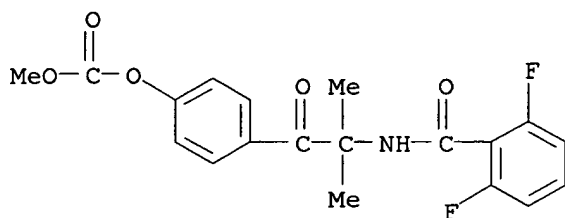
CN Benzoic acid, 3-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]-, methyl ester (9CI) (CA INDEX NAME)

10/614,116



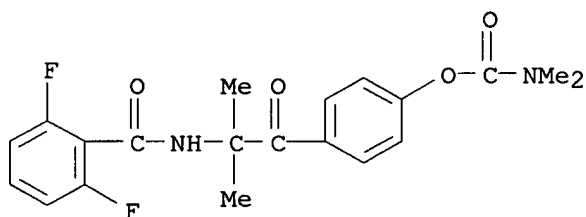
RN 503471-60-1 CAPLUS

CN Carbonic acid, 4-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]phenyl methyl ester (9CI) (CA INDEX NAME)



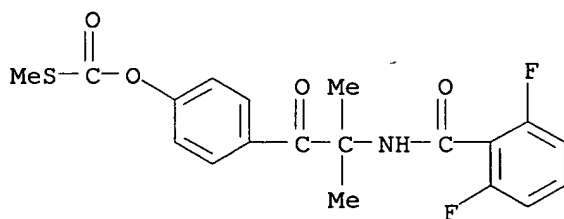
RN 503471-61-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]phenyl ester (9CI) (CA INDEX NAME)



RN 503471-62-3 CAPLUS

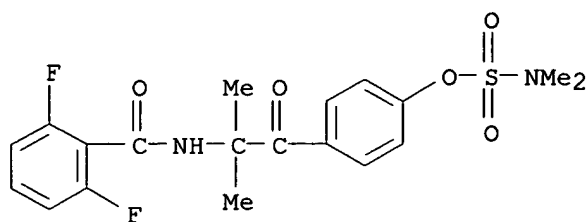
CN Carbonothioic acid, O-[4-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]phenyl] S-methyl ester (9CI) (CA INDEX NAME)



RN 503471-63-4 CAPLUS

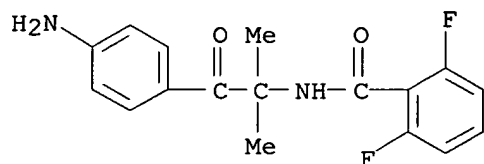
CN Sulfamic acid, dimethyl-, 4-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]phenyl ester (9CI) (CA INDEX NAME)

10/614,116



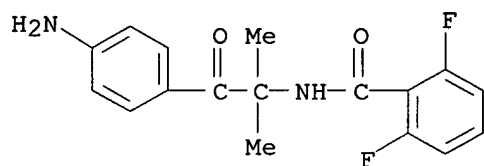
RN 503471-64-5 CAPLUS

CN Benzamide, N-[2-(4-aminophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 503471-65-6 CAPLUS

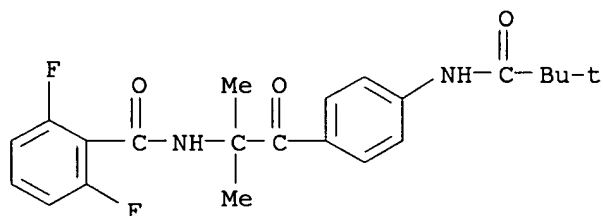
CN Benzamide, N-[2-(4-aminophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 503471-66-7 CAPLUS

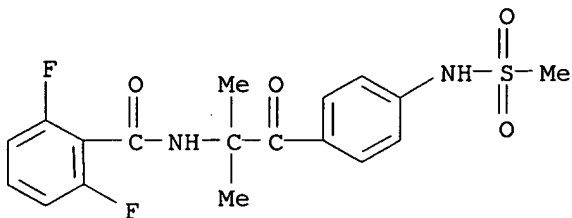
CN Benzamide, N-[2-[4-[(2,2-dimethyl-1-oxopropyl)amino]phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 503471-67-8 CAPLUS

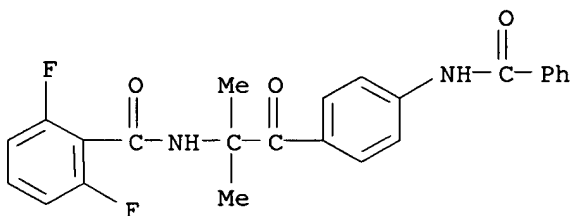
CN Benzamide, N-[1,1-dimethyl-2-[4-[(methylsulfonyl)amino]phenyl]-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)

10/614,116



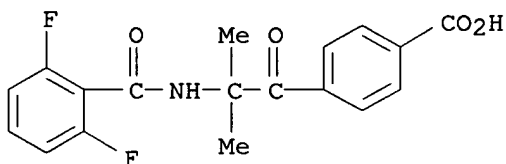
RN 503471-68-9 CAPLUS

CN Benzamide, N-[2-[4-(benzoylamino)phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



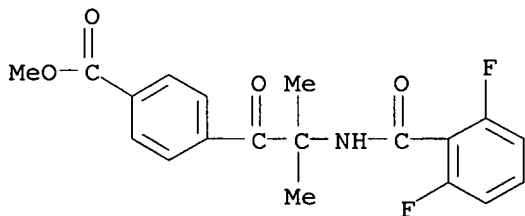
RN 503471-69-0 CAPLUS

CN Benzoic acid, 4-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]- (9CI) (CA INDEX NAME)



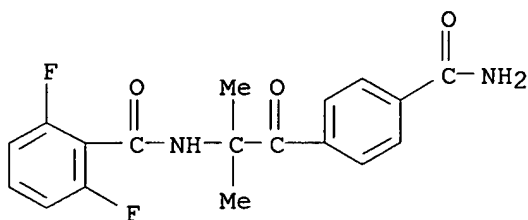
RN 503471-70-3 CAPLUS

CN Benzoic acid, 4-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]-, methyl ester (9CI) (CA INDEX NAME)



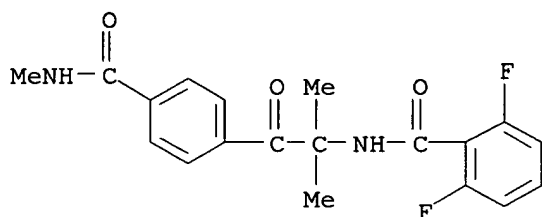
RN 503471-71-4 CAPLUS

CN Benzamide, N-[2-[4-(aminocarbonyl)phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



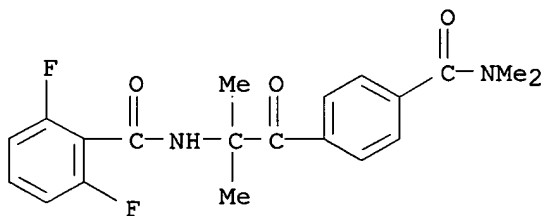
RN 503471-72-5 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-[4-[(methylamino) carbonyl]phenyl]-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



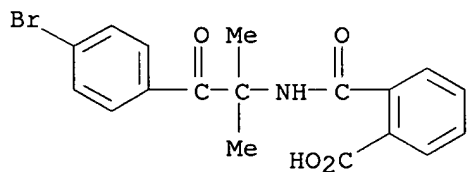
RN 503471-73-6 CAPLUS

CN Benzamide, N-[2-[4-[(dimethylamino) carbonyl]phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



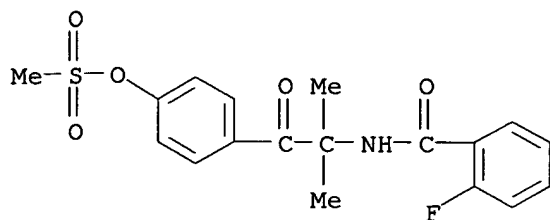
RN 503471-74-7 CAPLUS

CN Benzoic acid, 2-[[[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



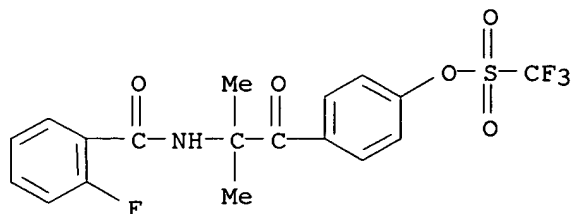
RN 503471-91-8 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-[4-[(methylsulfonyl)oxy]phenyl]-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



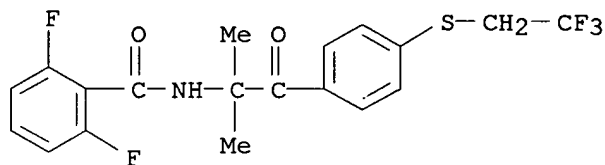
RN 503471-92-9 CAPLUS

CN Methanesulfonic acid, trifluoro-, 4-[2-[(2-fluorobenzoyl)amino]-2-methyl-1-oxopropyl]phenyl ester (9CI) (CA INDEX NAME)



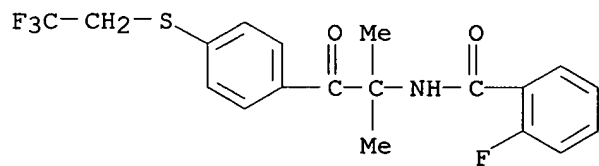
RN 503471-93-0 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[(2,2,2-trifluoroethyl)thio]phenyl]ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 503471-94-1 CAPLUS

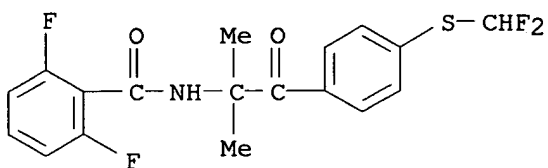
CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[(2,2,2-trifluoroethyl)thio]phenyl]ethyl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 503471-95-2 CAPLUS

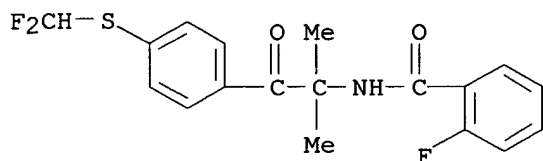
CN Benzamide, N-[2-[4-[(difluoromethyl)thio]phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)

10/614,116



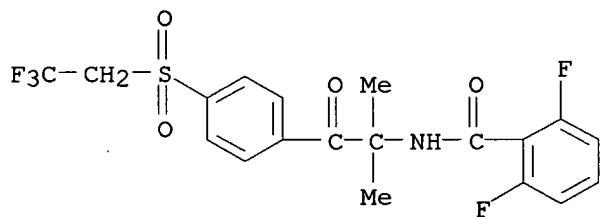
RN 503471-96-3 CAPLUS

CN Benzamide, N-[2-[4-[(difluoromethyl)thio]phenyl]-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



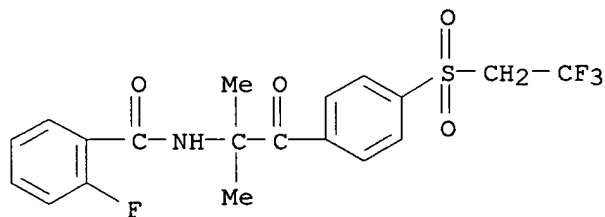
RN 503471-97-4 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[(2,2,2-trifluoroethyl)sulfonyl]phenyl]ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



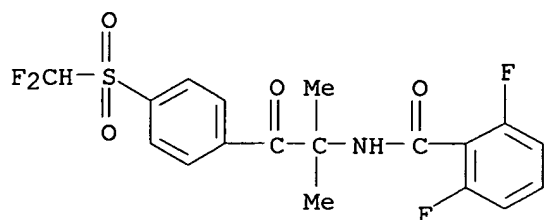
RN 503471-98-5 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[(2,2,2-trifluoroethyl)sulfonyl]phenyl]ethyl]-2-fluoro- (9CI) (CA INDEX NAME)



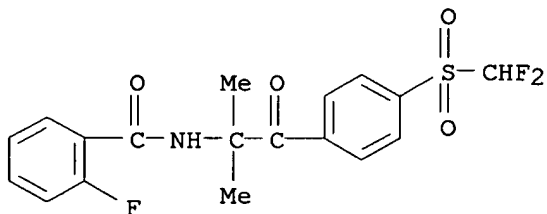
RN 503471-99-6 CAPLUS

CN Benzamide, N-[2-[4-[(difluoromethyl)sulfonyl]phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



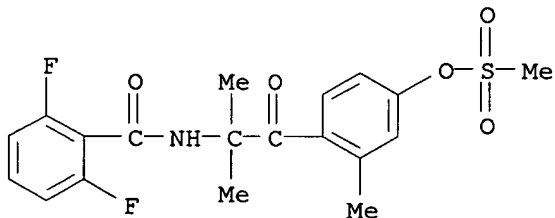
RN 503472-00-2 CAPLUS

CN Benzamide, N-[2-[4-[(difluoromethyl)sulfonyl]phenyl]-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



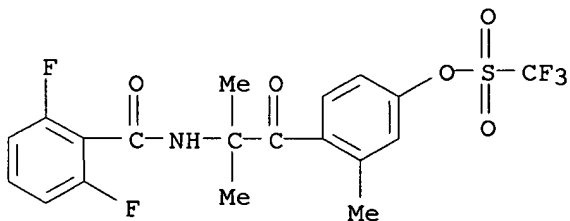
RN 503472-01-3 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-[2-methyl-4-[(methanesulfonyl)oxy]phenyl]-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 503472-02-4 CAPLUS

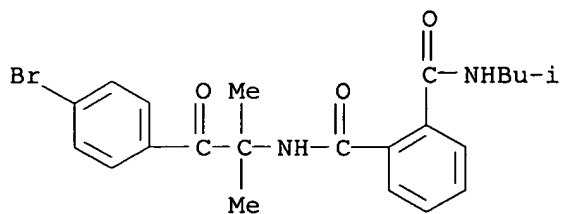
CN Methanesulfonic acid, trifluoro-, 4-[2-[(2,6-difluorobenzoyl)amino]-2-methyl-1-oxopropyl]-3-methylphenyl ester (9CI) (CA INDEX NAME)



RN 503472-03-5 CAPLUS

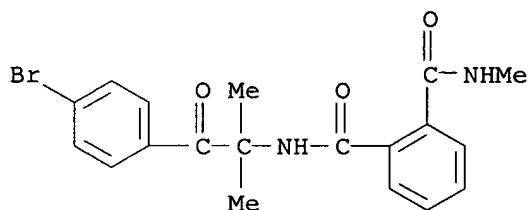
CN 1,2-Benzenedicarboxamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-N'-(2-methylpropyl)- (9CI) (CA INDEX NAME)

10/614,116



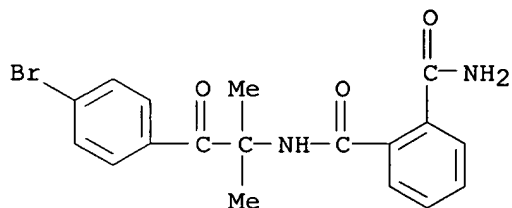
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CN 1,2-Benzenedicarboxamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-N'-methyl- (9CI) (CA INDEX NAME)



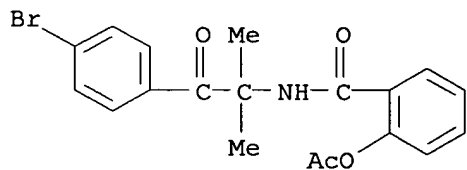
RN 503472-05-7 CAPLUS

CN 1,2-Benzenedicarboxamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 503472-06-8 CAPLUS

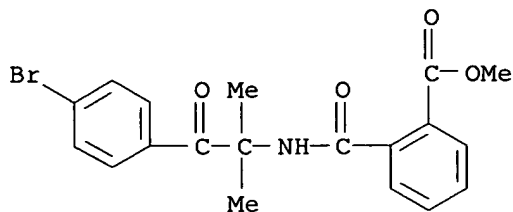
CN Benzamide, 2-(acetyloxy)-N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 503472-07-9 CAPLUS

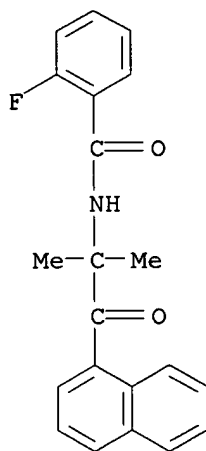
CN Benzoic acid, 2-[[[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

10/614,116



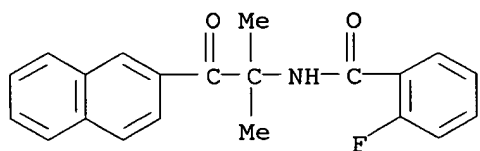
RN 503472-09-1 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-(1-naphthalenyl)-2-oxoethyl]-2-fluoro- (9CI)
(CA INDEX NAME)



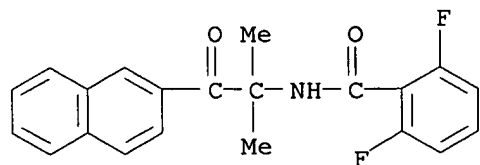
RN 503472-10-4 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-(2-naphthalenyl)-2-oxoethyl]-2-fluoro- (9CI)
(CA INDEX NAME)



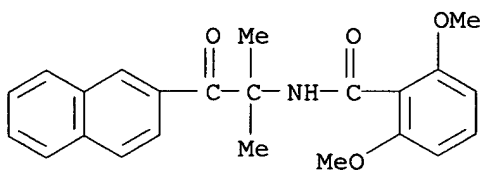
RN 503472-11-5 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-(2-naphthalenyl)-2-oxoethyl]-2,6-difluoro- (9CI)
(CA INDEX NAME)

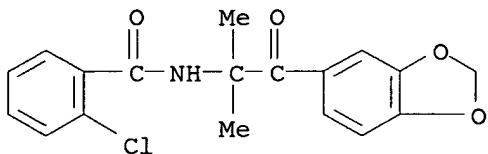


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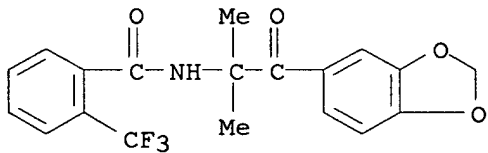
CN Benzamide, N-[1,1-dimethyl-2-(2-naphthalenyl)-2-oxoethyl]-2,6-dimethoxy- (9CI)
(CA INDEX NAME)



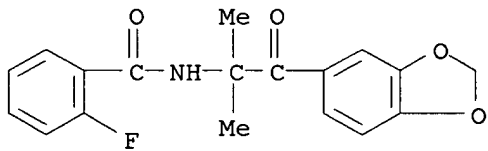
RN 503472-33-1 CAPLUS

CN Benzamide, N-[2-(1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2-chloro-
(9CI) (CA INDEX NAME)

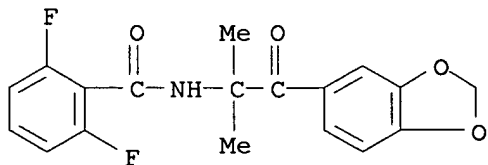
RN 503472-34-2 CAPLUS

CN Benzamide, N-[2-(1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 503472-35-3 CAPLUS

CN Benzamide, N-[2-(1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2-fluoro-
(9CI) (CA INDEX NAME)

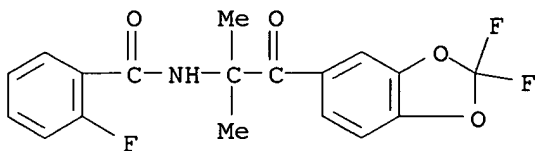
RN 503472-36-4 CAPLUS

CN Benzamide, N-[2-(1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2,6-
difluoro- (9CI) (CA INDEX NAME)

10/614,116

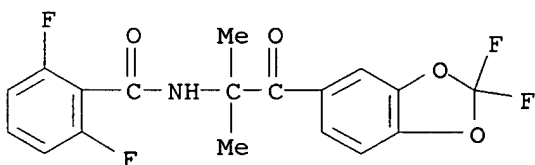
RN 503472-37-5 CAPLUS

CN Benzamide, N-[2-(2,2-difluoro-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



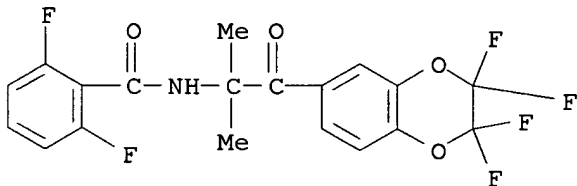
RN 503472-38-6 CAPLUS

CN Benzamide, N-[2-(2,2-difluoro-1,3-benzodioxol-5-yl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



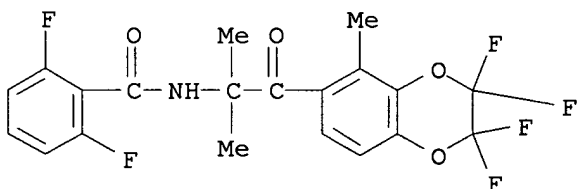
RN 503472-42-2 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,3,3-tetrafluoro-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 503472-43-3 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(2,2,3,3-tetrafluoro-2,3-dihydro-5-methyl-1,4-benzodioxin-6-yl)ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



AB Acid amide derivs. represented by the formula A-CO-CR₁R₂-NR₃-CO-B [wherein A = Ph, benzyl, naphthyl, heterocyclic group, or fused heterocyclic group each optionally substituted by X, indanyl (which may be substituted by halogen, alkyl, or alkoxy), or tetrahydronaphthyl (which may be substituted by halogen, alkyl, or alkoxy); B = alkyl, cycloalkyl, Ph optionally substituted by Y, a heterocyclic group optionally substituted by Y, or a fused heterocyclic group optionally substituted by Y; X = halo, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, alkoxy,

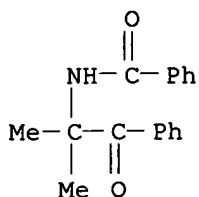
haloalkoxy, alkoxyalkoxy, haloalkoxyalkoxy, alkoxyhaloalkoxy, etc.; Y = halo, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfanyl, haloalkylsulfanyl, alkylsulfonyl, haloalkylsulfonyl, dialkylaminosulfonyl, NO₂, cyano, etc.; R₁, R₂ = alkyl, cyano, or CO₂R₁₄, provided that R₁ and R₂ in combination may form a 3- to 6-membered saturated carbon ring; R₃ = H, alkyl, alkoxyalkyl, alkylthioalkyl, COR₁₅, S(O)R₁₆, or S(O)NR₁₇R₁₈; wherein R₁₄ = H, alkyl; R₁₅ = H, alkyl, alkoxy; R₁₆, R₁₇, R₁₈ = alkyl, haloalkyl, optionally substituted Ph] or salts thereof are prepared. These compounds, including N-phenacylbenzamides, N-phenacylnaphthalenecarboxamides, N-phenacylthiophenecarboxamides, N-phenacylpyrazinecarboxamides, N-phenacylquinolinecarboxamides, N-phenacylindolecarboxamides, N-phenacylfurancarboxamides, N-phenacylbenzofurancarboxamides, N-phenacylbenzodioxanecarboxamides, N-(naphthylcarbonylmethyl)benzamide, N-(thienylcarbonylmethyl)benzamides, N-(thienylcarbonylmethyl)pyridinecarboxamides, N-(pyridylcarbonylmethyl)benzamides, N-(benzodioxanylcarbonylmethyl)benzamides, and N-(furylcarbonylmethyl)benzamides are useful as active ingredients for pest control agents such as insecticides, acaricides, nematocides, and animal parasiticides. Thus, 0.11 g 2-fluorobenzoyl chloride was added dropwise to a mixture of 0.20 g 6-(2,2,3,3-tetrafluoro-5-methyl-1,4-benzodioxan-6-yl) 2-amino-2-propanone, 0.10 g Et₃N, and 7 mL THF and stirred at room temperature for 2 h to give

2-fluoro-N-[2-[(2,2,3,3-tetrafluoro-5-methyl-1,4-benzodioxan-6-yl)carbonyl]-2-propyl]benzamide (II). II at 1,600 ppm (soil application) completely controlled nematode in tomato seedlings.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

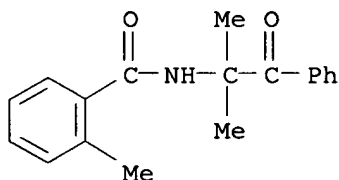
L4 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:91252 CAPLUS
DN 139:62591
TI Synthesis and SAR of α -acylaminoketone ligands for control of gene expression
AU Tice, Colin M.; Hormann, Robert E.; Thompson, Christine S.; Friz, Jennifer L.; Cavanaugh, Caitlin K.; Michelotti, Enrique L.; Garcia, Javier; Nicolas, Ernesto; Albericio, Fernando
CS RHeoGene, Spring House, PA, 19477-0949, USA
SO Bioorganic & Medicinal Chemistry Letters (2003), 13(3), 475-478
 CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 139:62591
IT 56965-16-3P 356032-56-9P 356032-59-2P
 551963-67-8P 551963-68-9P 551963-69-0P
 551963-80-5P 551963-81-6P 551963-82-7P
 551963-83-8P 551963-84-9P 551963-85-0P
 551963-86-1P 551963-87-2P 551963-88-3P
 551963-89-4P 551963-90-7P 551963-91-8P
 551963-92-9P 551963-93-0P 551963-94-1P
 551963-95-2P 551963-96-3P 551963-97-4P
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);
 BIOL (Biological study); PREP (Preparation)
 (synthesis and SAR of acylaminoketone ligands for control of gene
 expression in ecdysone receptor-expressing cells)
RN 56965-16-3 CAPLUS
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)

10/614,116



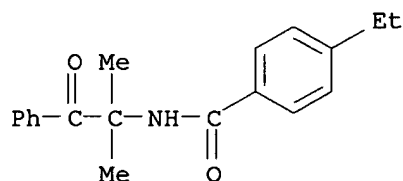
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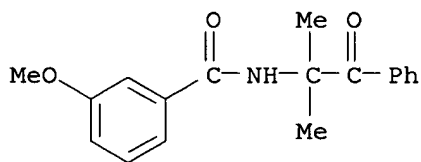
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CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-ethyl- (9CI) (CA INDEX NAME)



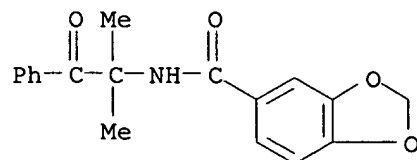
RN 551963-67-8 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-3-methoxy- (9CI) (CA INDEX NAME)



RN 551963-68-9 CAPLUS

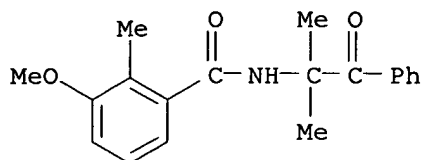
CN 1,3-Benzodioxole-5-carboxamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



10/614,116

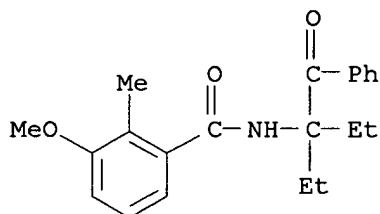
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CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-3-methoxy-2-methyl- (9CI)
(CA INDEX NAME)



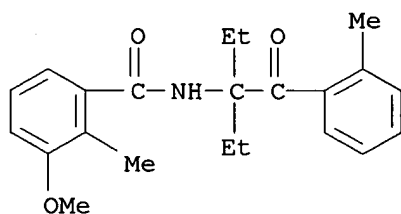
RN 551963-80-5 CAPLUS

CN Benzamide, N-(1-benzoyl-1-ethylpropyl)-3-methoxy-2-methyl- (9CI) (CA
INDEX NAME)



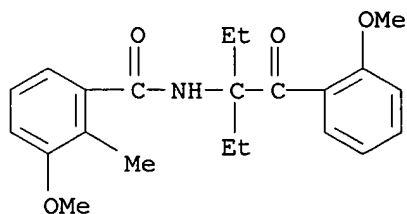
RN 551963-81-6 CAPLUS

CN Benzamide, N-[1-ethyl-1-(2-methylbenzoyl)propyl]-3-methoxy-2-methyl- (9CI)
(CA INDEX NAME)



RN 551963-82-7 CAPLUS

CN Benzamide, N-[1-ethyl-1-(2-methoxybenzoyl)propyl]-3-methoxy-2-methyl-
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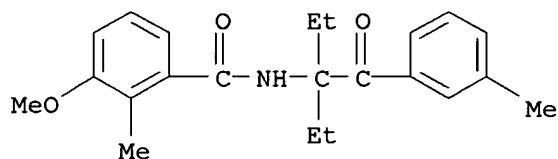


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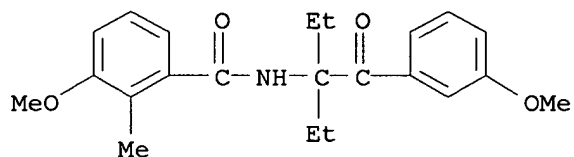
10/614,116

(CA INDEX NAME)



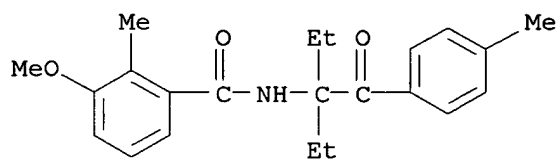
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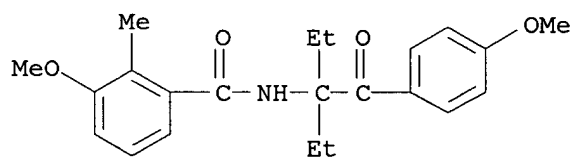
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CN Benzamide, N-[1-ethyl-1-(4-methylbenzoyl)propyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



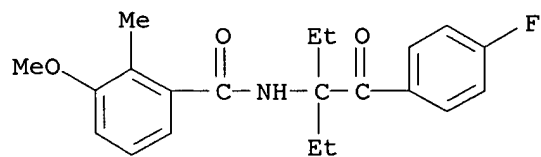
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RN 551963-87-2 CAPLUS

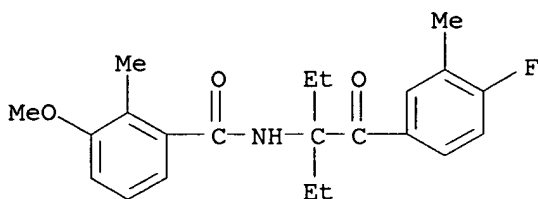
CN Benzamide, N-[1-ethyl-1-(4-fluorobenzoyl)propyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



10/614,116

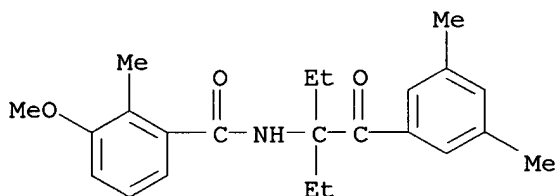
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CN Benzamide, N-[1-ethyl-1-(4-fluoro-3-methylbenzoyl)propyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



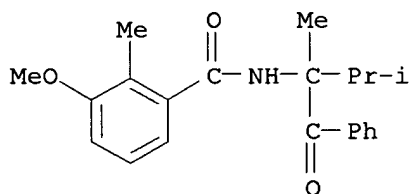
RN 551963-89-4 CAPLUS

CN Benzamide, N-[1-(3,5-dimethylbenzoyl)-1-ethylpropyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



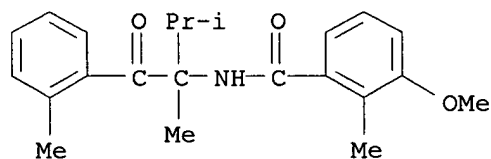
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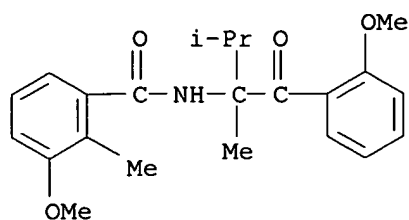
RN 551963-91-8 CAPLUS

CN Benzamide, N-[1,2-dimethyl-1-(2-methylbenzoyl)propyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)

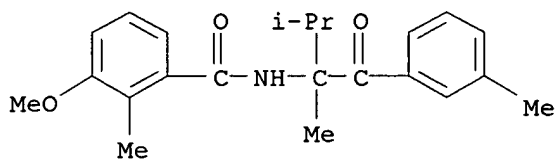


RN 551963-92-9 CAPLUS

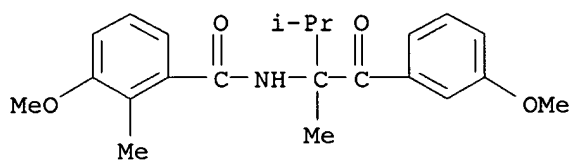
CN Benzamide, 3-methoxy-N-[1-(2-methoxybenzoyl)-1,2-dimethylpropyl]-2-methyl- (9CI) (CA INDEX NAME)



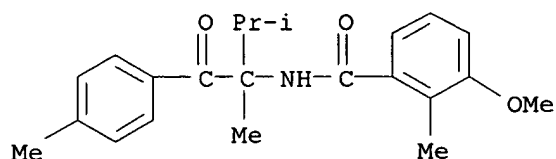
RN 551963-93-0 CAPLUS

CN Benzamide, N-[1,2-dimethyl-1-(3-methylbenzoyl)propyl]-3-methoxy-2-methyl-
(9CI) (CA INDEX NAME)

RN 551963-94-1 CAPLUS

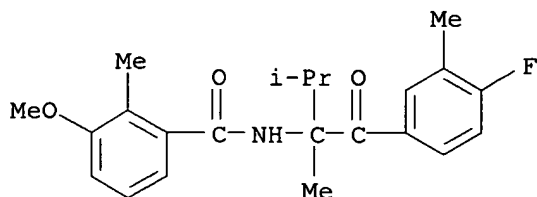
CN Benzamide, 3-methoxy-N-[1-(3-methoxybenzoyl)-1,2-dimethylpropyl]-2-methyl-
(9CI) (CA INDEX NAME)

RN 551963-95-2 CAPLUS

CN Benzamide, N-[1,2-dimethyl-1-(4-methylbenzoyl)propyl]-3-methoxy-2-methyl-
(9CI) (CA INDEX NAME)

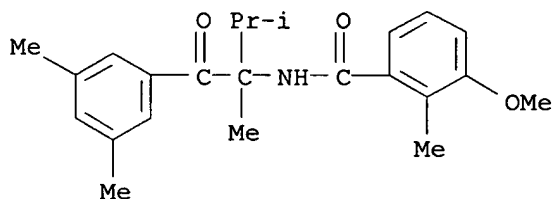
RN 551963-96-3 CAPLUS

CN Benzamide, N-[1-(4-fluoro-3-methylbenzoyl)-1,2-dimethylpropyl]-3-methoxy-2-
methyl- (9CI) (CA INDEX NAME)



RN 551963-97-4 CAPLUS

CN Benzamide, N-[1-(3,5-dimethylbenzoyl)-1,2-dimethylpropyl]-3-methoxy-2-methyl- (9CI) (CA INDEX NAME)



AB A lead discovery library and a follow-up focused library of α -acylaminoketones were designed based on known dibenzoylhydrazine ecdysone agonists, including GS-E. The compds. were assayed in mammalian cells expressing the ecdysone receptor from *Bombyx mori* for their ability to cause expression of a reporter gene downstream of an ecdysone response element. The most potent α -acylaminoketones were comparable to GS-E in this assay.

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:924986 CAPLUS

DN 139:350510

TI Combined solid phase and solution synthesis of a library of α,α -disubstituted- α -acylaminoketones. [Erratum to document cited in CA138:204802]

AU Garcia, Javier; Nicolas, Ernesto; Albericio, Fernando; Michelotti, Enrique L.; Tice, Colin M.

CS Department of Organic Chemistry, University of Barcelona, Barcelona, 08028, Spain

SO Tetrahedron Letters (2002), 43(52), 9725-9726
CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier Science Ltd.

DT Journal

LA English

IT 500168-32-1P 500168-34-3P 500168-36-5P

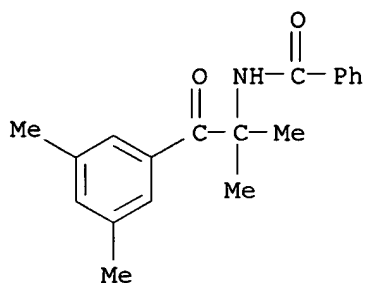
500168-38-7P 500168-40-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(combined solid phase and solution synthesis of library of α,α -disubstituted- α -acylamino ketones (Erratum))

RN 500168-32-1 CAPLUS

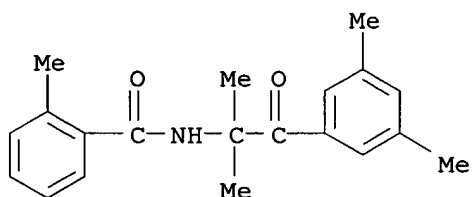
CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)

10/614,116



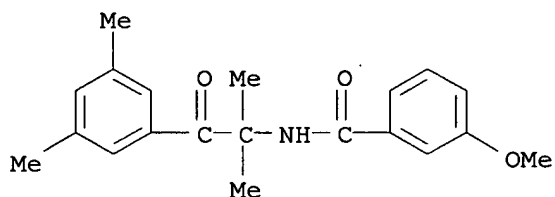
RN 500168-34-3 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-2-methyl-
(9CI) (CA INDEX NAME)



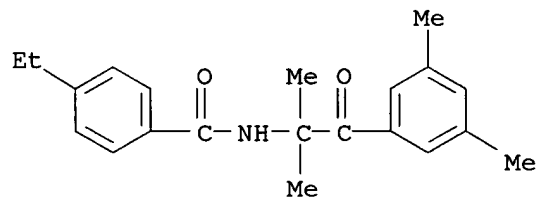
RN 500168-36-5 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-3-methoxy-
(9CI) (CA INDEX NAME)



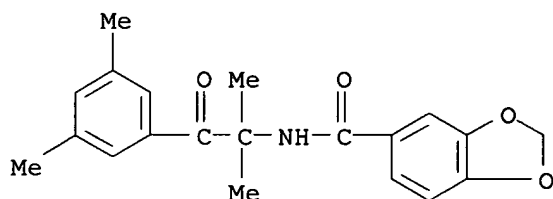
RN 500168-38-7 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-4-ethyl-
(9CI) (CA INDEX NAME)



RN 500168-40-1 CAPLUS

CN 1,3-Benzodioxole-5-carboxamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-
(9CI) (CA INDEX NAME)



AB The corrected versions of Schemes 1 and 2 and Figure 2 are given.

L4 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:849613 CAPLUS

DN 137:353066

TI Preparation of nitrogenous fused-ring compound having pyrazolyl group as substituents as inhibitors of activation of signal transduction and activation of transcription (STAT6) protein

IN Yoshida, Ichiro; Yoneda, Naoki; Ohashi, Yoshiaki; Suzuki, Shuichi; Miyamoto, Mitsuaki; Miyazaki, Futoshi; Seshimo, Hidenori; Kamata, Junichi; Takase, Yasutaka; Shirato, Manabu; Shimokubo, Daiya; Sakuma, Yoshinori; Yokohama, Hiromitsu

PA Eisai Co., Ltd., Japan

SO PCT Int. Appl., 1006 pp.
CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002088107	A1	20021107	WO 2002-JP4156	20020425
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1382603	A1	20040121	EP 2002-722791	20020425
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	JP 2001-129959	A	20010426		
	WO 2002-JP4156	W	20020425		

OS MARPAT 137:353066

IT 474701-16-1P 474701-18-3P

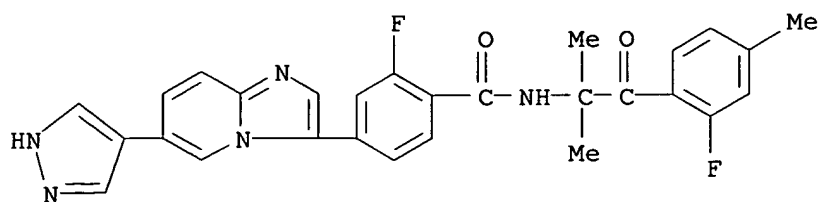
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of (N-containing heterocyclyl)pyrazole as inhibitors of activation

of STAT6 protein and/or IL-4 and/or IL-13 signal transduction as preventives and/or remedies of diseases)

RN 474701-16-1 CAPLUS

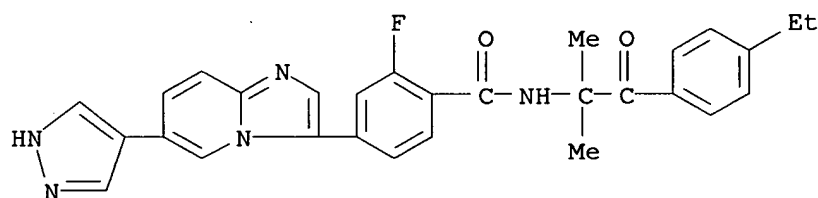
CN Benzamide, 2-fluoro-N-[2-(2-fluoro-4-methylphenyl)-1,1-dimethyl-2-oxoethyl]-4-[6-(1H-pyrazol-4-yl)imidazo[1,2-a]pyridin-3-yl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 474701-18-3 CAPLUS

CN Benzamide, N-[2-(4-ethylphenyl)-1,1-dimethyl-2-oxoethyl]-2-fluoro-4-[6-(1H-pyrazol-4-yl)imidazo[1,2-a]pyridin-3-yl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

IT 474699-30-4P 474699-32-6P

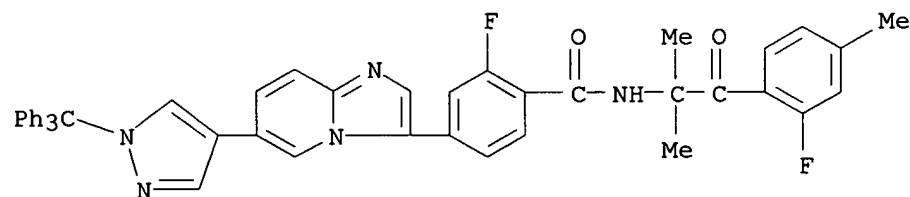
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of (N-containing heterocyclyl)pyrazole as inhibitors of activation

of STAT6 protein and/or IL-4 and/or IL-13 signal transduction as preventives and/or remedies of diseases)

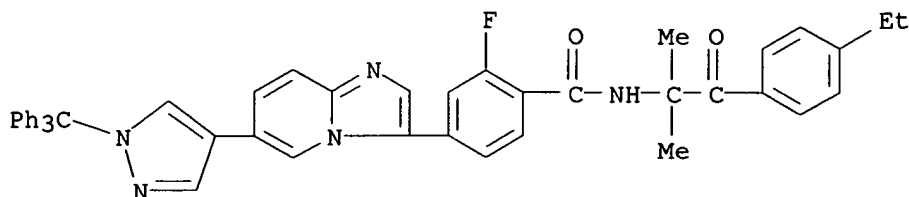
RN 474699-30-4 CAPLUS

CN Benzamide, 2-fluoro-N-[2-(2-fluoro-4-methylphenyl)-1,1-dimethyl-2-oxoethyl]-4-[6-[1-(triphenylmethyl)-1H-pyrazol-4-yl]imidazo[1,2-a]pyridin-3-yl]- (9CI) (CA INDEX NAME)

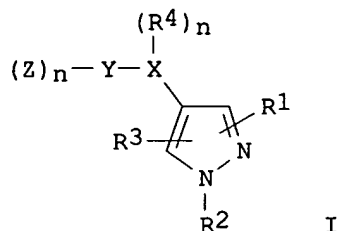


RN 474699-32-6 CAPLUS

CN Benzamide, N-[2-(4-ethylphenyl)-1,1-dimethyl-2-oxoethyl]-2-fluoro-4-[6-[1-(triphenylmethyl)-1H-pyrazol-4-yl]imidazo[1,2-a]pyridin-3-yl]- (9CI) (CA INDEX NAME)



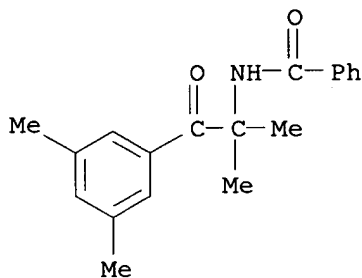
GI



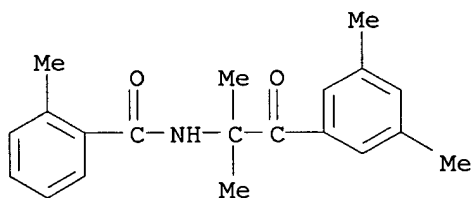
AB The 4-(N-containing fused aromatic heterocyclyl)pyrazoles (I) or salts thereof, or hydrates of either [X = a nitrogenous fused aromatic heterocyclic group, e.g., imidazo[1,2-a]pyridine, having (R₄)_n as a substituent; wherein n = an integer of 0-3; R₄ = H, halo, cyano, OH, NH₂, C1-6 alkyl, halo-C1-6 alkyl, C2-6 alkenyl, C1-6 alkylsulfonyl, C1-6 alkylsulfonylamino, C1-6 alkylsulfinyl, N-mono, or N,N-di(C1-6 alkyl)amino, C1-6 alkoxy, C1-6 alkylsulfanyl, CONH₂, etc.; Y = C3-8 cycloalkyl, C4-8 cycloalkenyl, 5- to 14-membered nonarom. or aromatic heterocyclyl, C6-14 aromatic hydrocarbyl, benzene- or 5- or 6-membered aromatic heterocycle-fused 5- to 7-membered nonarom. ring group; Z = H, NH₂, halo, HO, NO₂, cyano, N₃, CHO, HONH, SO₂NH₂, guanidino, oxo, C2-6 alkenyl, C1-6 alkoxy, etc.; R₁ = H, halo, HO, NO₂, cyano, halo-C1-6 alkyl, hydroxy- or cyano-C1-6 alkyl, C2-6 alkenyl, etc.; R₂ = H, pyrazolyl; R₃ = H, halo, cyano, NH₂, C1-4 alkyl, halo-C1-4 alkyl] are prepared These compds. are inhibitors of STAT6 protein activation and IL-4 and/or IL-13 signal transduction and are useful for prevention and/or treatment of diseases on which the inhibition of STAT6 activation and/or IL-4 and/or IL-13 signal transduction is effective. The diseases include allergy, allergic rhinitis, bronchial asthma, atopic dermatitis, pollinosis, digestive tract allergy, urticaria, hypersensitivity pneumonia, lung aspergillosis, eosinophil leukemia, parasite infection, eosinophilia, eosinophil pneumonia, eosinophil gastroenteritis, autoimmune disease, systemic lupus erythematosus, virus infection, bacteria infection, obesity, overeating (hyperphagia), malignant tumor, and acquired immunodeficiency syndrome (AIDS). Thus, 4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzonitrile was coupled with 6-[3-(4-fluorophenyl)-1-trityl-1H-pyrazolyl]-3-iodoimidazo[1,2-a]pyridine in the presence of tetrakis(triphenylphosphine)palladium and K₃PO₄ in DMF at 75° for 3 h followed by treating a solution of the coupling product in THF and MeOH with 5 N aqueous HCl to give 4-[6-[3-(4-fluorophenyl)-1H-4-pyrazolyl]imidazo[1,2-a]pyridin-3-yl]benzonitrile dihydrochloride (II). II showed IC₅₀ of <10 nM for inhibiting the IL-4-induced induction of alkali phosphatase in human embryonic kidney cell transfected with STAT gene and STAT reporter gene.

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

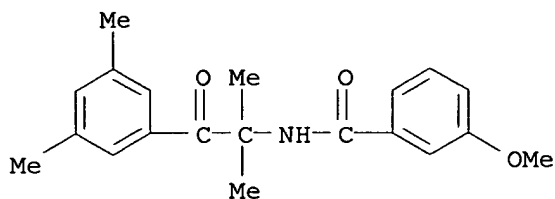
AN 2002:741687 CAPLUS
 DN 138:204802
 TI Combined solid phase and solution synthesis of a library of
 α,α -disubstituted- α -acylamino ketones
 AU Garcia, Javier; Nicolas, Ernesto; Albericio, Fernando; Michelotti, Enrique
 L.; Tice, Colin M.
 CS Department of Organic Chemistry, University of Barcelona, Barcelona,
 08028, Spain
 SO Tetrahedron Letters (2002), 43(42), 7495-7498
 CODEN: TELEAY; ISSN: 0040-4039
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 OS CASREACT 138:204802
 IT **500168-32-1P 500168-34-3P 500168-36-5P**
500168-38-7P 500168-40-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (combined solid phase and solution synthesis of a library of
 α,α -disubstituted- α -acylamino ketones)
 RN 500168-32-1 CAPLUS
 CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA
 INDEX NAME)



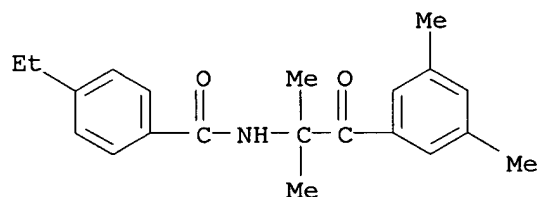
RN 500168-34-3 CAPLUS
 CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-2-methyl-
 (9CI) (CA INDEX NAME)



RN 500168-36-5 CAPLUS
 CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-3-methoxy-
 (9CI) (CA INDEX NAME)

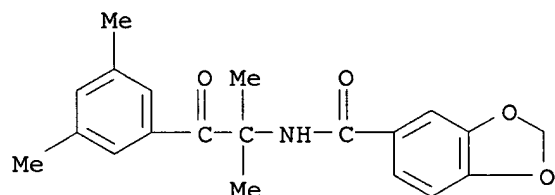


RN 500168-38-7 CAPLUS

CN Benzamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]-4-ethyl-
(9CI) (CA INDEX NAME)

RN 500168-40-1 CAPLUS

CN 1,3-Benzodioxole-5-carboxamide, N-[2-(3,5-dimethylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



AB Preparation of a demonstration library of α,α -disubstituted- α -acylamino ketones, of interest as ecdysone agonists, is described. The five-step synthetic sequence employed α,α -disubstituted amino acids, Grignard reagents and carboxylic acids as building blocks in a strategic combination of solid phase and solution steps.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:741686 CAPLUS

DN 138:221319

TI Solid phase synthesis of α -acylamino- α,α -disubstituted ketones

AU Tice, Colin M.; Michelotti, Enrique L.; Mata, Ernesto G.; Nicolas, Ernesto; Garcia, Javier; Albericio, Fernando

CS RheoGene Inc., Spring House, PA, 19477-0949, USA

SO Tetrahedron Letters (2002), 43(42), 7491-7494

CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier Science Ltd.

DT Journal

LA English

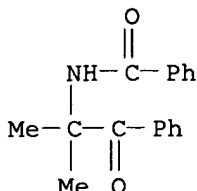
OS CASREACT 138:221319

IT 56965-16-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(solid phase synthesis of α -acylamino- α,α -
disubstituted ketones)

RN 56965-16-3 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



AB α -Acylamino- α,α -disubstituted ketones are of interest as ecdysone agonists. Solid phase synthesis of prototypical α -acylamino- α,α -disubstituted ketones on two different solid supports is described. In both cases the ketone was formed by reaction of a Grignard reagent with an N-acyl- α,α -disubstituted amino acid immobilized through its carboxylate as a Weinreb amide derivative

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:617968 CAPLUS

DN 135:195424

TI Preparation of N-phenacylbenzamide derivatives as pesticides and parasiticides

IN Nakamura, Yuji; Morita, Masayuki; Izakura, Kenji

PA Ishihara Sangyo Kaisha, Ltd., Japan

SO PCT Int. Appl., 42 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001060783	A1	20010823	WO 2001-JP957	20010209
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AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2400261	AA	20010823	CA 2001-2400261	20010209
AU 2001030610	A5	20010827	AU 2001-30610	20010209
EP 1256569	A1	20021113	EP 2001-902840	20010209
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001008406	A	20030318	BR 2001-8406	20010209
JP 2001302606	A2	20011031	JP 2001-36919	20010214
US 2003153464	A1	20030814	US 2002-181963	20020805
PRAI JP 2000-38586	A	20000216		
WO 2001-JP957	W	20010209		
OS MARPAT 135:195424				

IT 356032-44-5P 356032-45-6P 356032-46-7P
 356032-48-9P 356032-49-0P 356032-50-3P
 356032-51-4P 356032-52-5P 356032-53-6P
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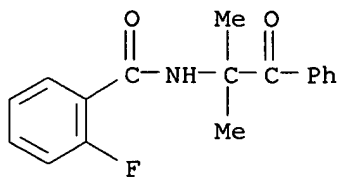
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-phenacylbenzamide derivs. as pesticides and parasiticides)

RN 356032-44-5 CAPLUS

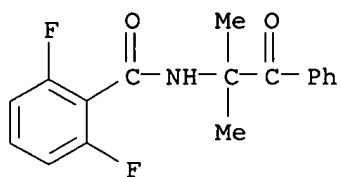
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-fluoro- (9CI) (CA INDEX NAME)

10/614,116



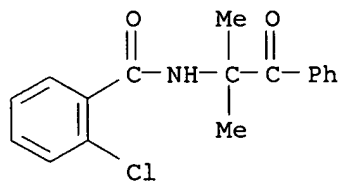
RN 356032-45-6 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2,6-difluoro- (9CI) (CA INDEX NAME)



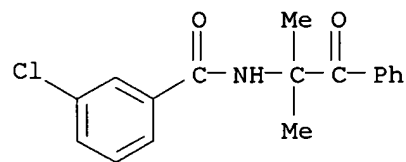
RN 356032-46-7 CAPLUS

CN Benzamide, 2-chloro-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



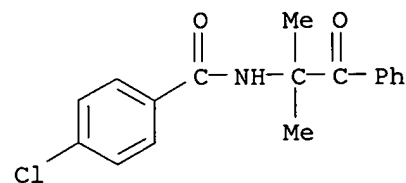
RN 356032-48-9 CAPLUS

CN Benzamide, 3-chloro-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



RN 356032-49-0 CAPLUS

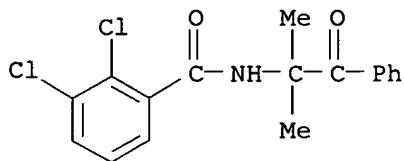
CN Benzamide, 4-chloro-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



10/614,116

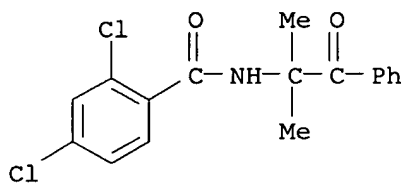
RN 356032-50-3 CAPLUS

CN Benzamide, 2,3-dichloro-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



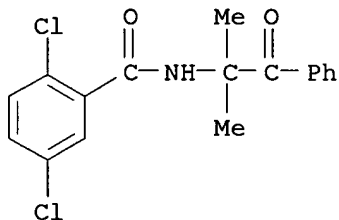
RN 356032-51-4 CAPLUS

CN Benzamide, 2,4-dichloro-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



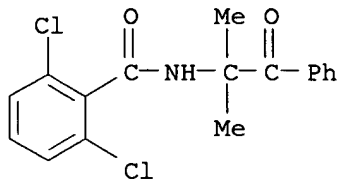
RN 356032-52-5 CAPLUS

CN Benzamide, 2,5-dichloro-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



RN 356032-53-6 CAPLUS

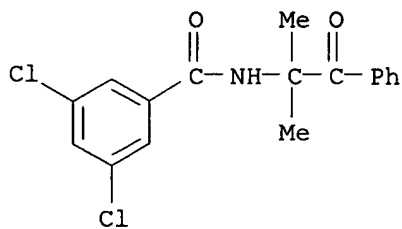
CN Benzamide, 2,6-dichloro-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



RN 356032-54-7 CAPLUS

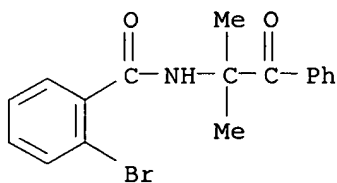
CN Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)

10/614,116



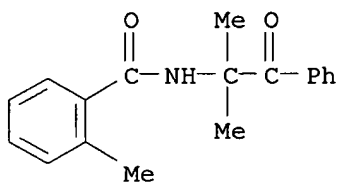
RN 356032-55-8 CAPLUS

CN Benzamide, 2-bromo-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



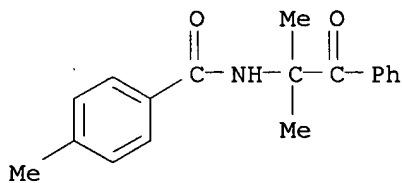
RN 356032-56-9 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 356032-57-0 CAPLUS

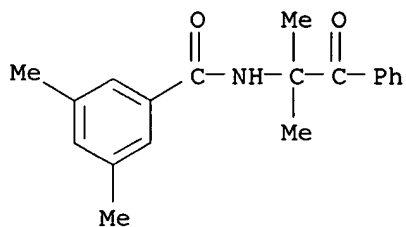
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-methyl- (9CI) (CA INDEX NAME)



RN 356032-58-1 CAPLUS

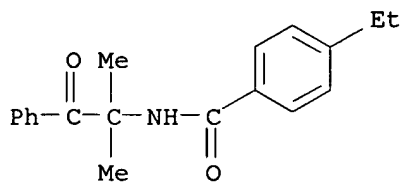
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-3,5-dimethyl- (9CI) (CA INDEX NAME)

10/614,116



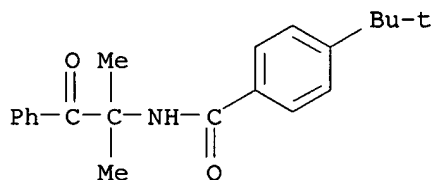
RN 356032-59-2 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-ethyl- (9CI) (CA INDEX NAME)



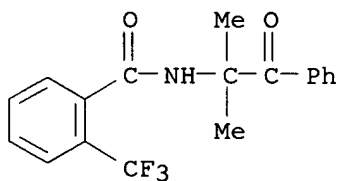
RN 356032-60-5 CAPLUS

CN Benzamide, 4-(1,1-dimethylethyl)-N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



RN 356032-61-6 CAPLUS

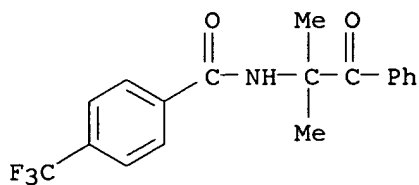
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 356032-64-9 CAPLUS

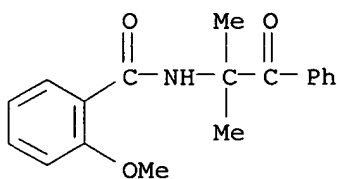
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/614,116



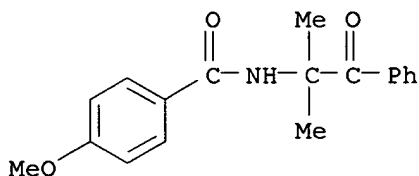
RN 356032-65-0 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-methoxy- (9CI) (CA
INDEX NAME)



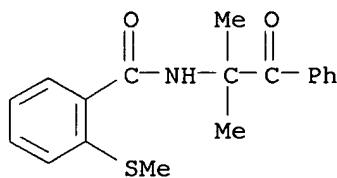
RN 356032-66-1 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-methoxy- (9CI) (CA
INDEX NAME)



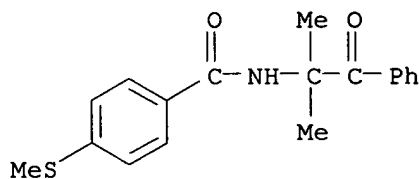
RN 356032-67-2 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-(methylthio)- (9CI) (CA
INDEX NAME)



RN 356032-68-3 CAPLUS

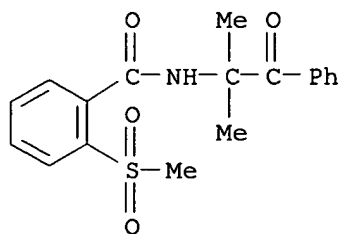
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-(methylthio)- (9CI) (CA
INDEX NAME)



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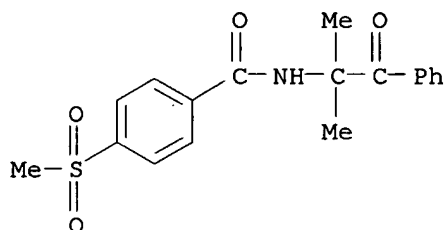
RN 356032-69-4 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-(methylsulfonyl)- (9CI)
(CA INDEX NAME)



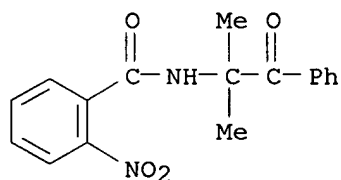
RN 356032-70-7 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-4-(methylsulfonyl)- (9CI)
(CA INDEX NAME)



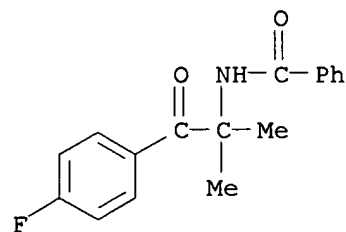
RN 356032-71-8 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2-nitro- (9CI) (CA INDEX NAME)



RN 356032-72-9 CAPLUS

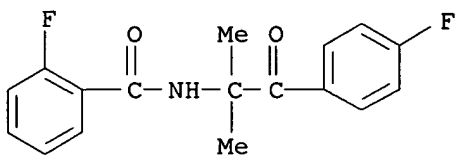
CN Benzamide, N-[2-(4-fluorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356032-73-0 CAPLUS

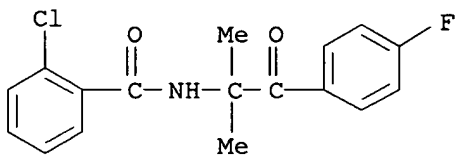
CN Benzamide, 2-fluoro-N-[2-(4-fluorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)

10/614,116



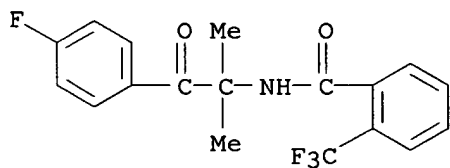
RN 356032-74-1 CAPLUS

CN Benzamide, 2-chloro-N-[2-(4-fluorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)



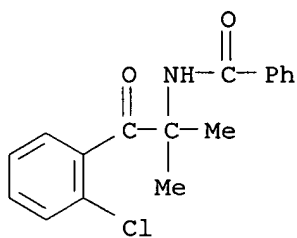
RN 356032-75-2 CAPLUS

CN Benzamide, N-[2-(4-fluorophenyl)-1,1-dimethyl-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



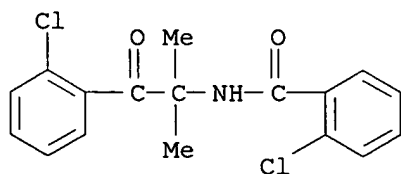
RN 356032-76-3 CAPLUS

CN Benzamide, N-[2-(2-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356032-77-4 CAPLUS

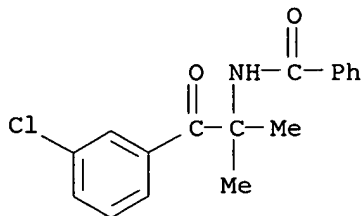
CN Benzamide, 2-chloro-N-[2-(2-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)



10/614,116

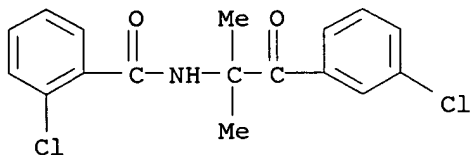
RN 356032-78-5 CAPLUS

CN Benzamide, N-[2-(3-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



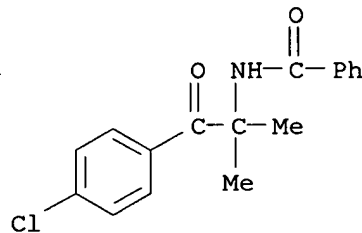
RN 356032-79-6 CAPLUS

CN Benzamide, 2-chloro-N-[2-(3-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



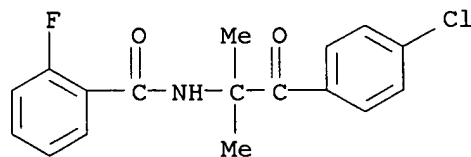
RN 356032-80-9 CAPLUS

CN Benzamide, N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356032-81-0 CAPLUS

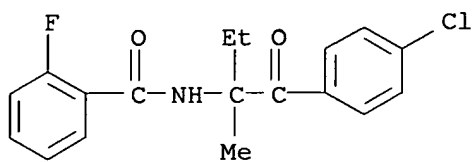
CN Benzamide, N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 356032-82-1 CAPLUS

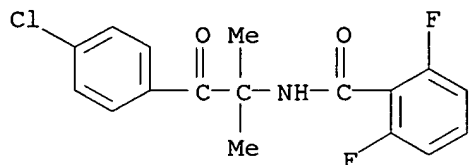
CN Benzamide, N-[1-(4-chlorobenzoyl)-1-methylpropyl]-2-fluoro- (9CI) (CA INDEX NAME)

10/614,116



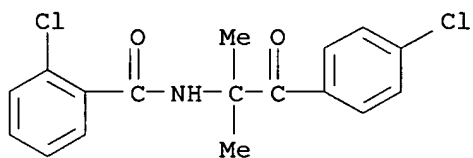
RN 356032-83-2 CAPLUS

CN Benzamide, N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)



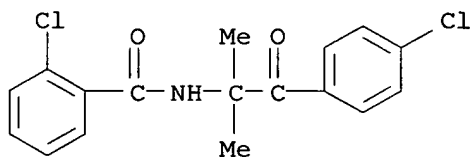
RN 356032-84-3 CAPLUS

CN Benzamide, 2-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)



RN 356032-85-4 CAPLUS

CN Benzamide, 2-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-,
sodium salt (9CI) (CA INDEX NAME)

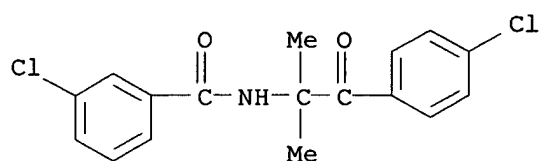


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RN 356032-86-5 CAPLUS

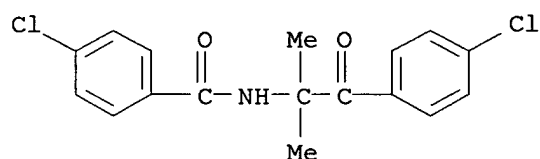
CN Benzamide, 3-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)

10/614,116



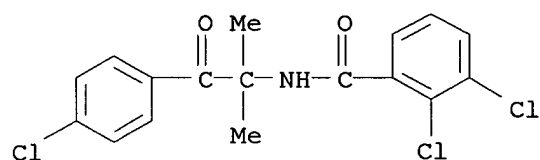
RN 356032-87-6 CAPLUS

CN Benzamide, 4-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)



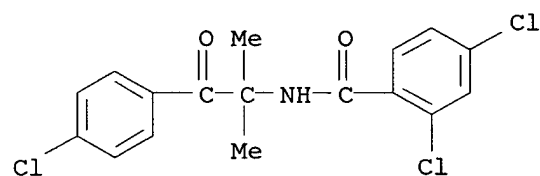
RN 356032-88-7 CAPLUS

CN Benzamide, 2,3-dichloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356032-89-8 CAPLUS

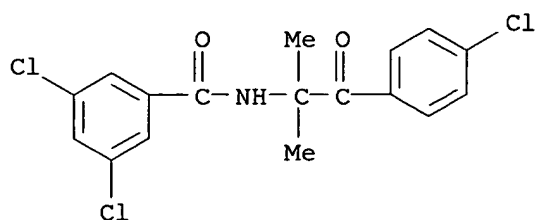
CN Benzamide, 2,4-dichloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356032-90-1 CAPLUS

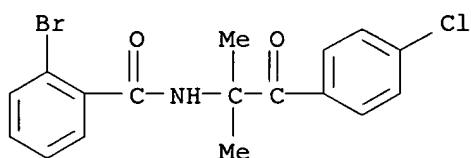
CN Benzamide, 3,5-dichloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)

10/614,116



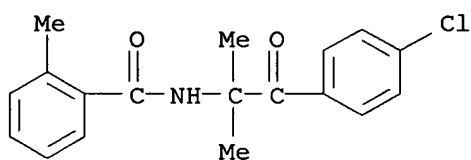
RN 356032-91-2 CAPLUS

CN Benzamide, 2-bromo-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)



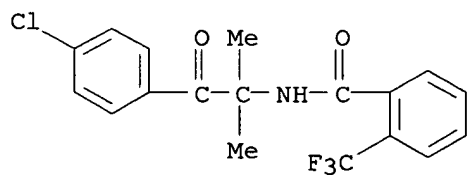
RN 356032-92-3 CAPLUS

CN Benzamide, N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-2-methyl- (9CI)
(CA INDEX NAME)



RN 356032-93-4 CAPLUS

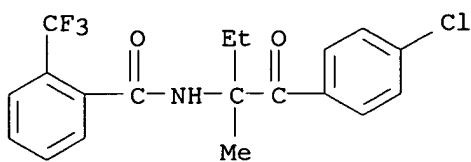
CN Benzamide, N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 356032-94-5 CAPLUS

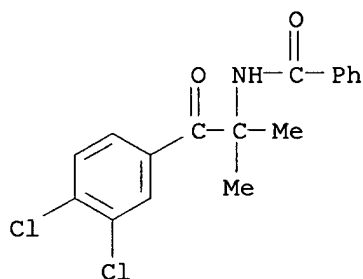
CN Benzamide, N-[1-(4-chlorobenzoyl)-1-methylpropyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/614,116



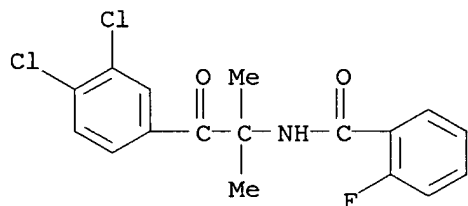
RN 356032-95-6 CAPLUS

CN Benzamide, N-[2-(3,4-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



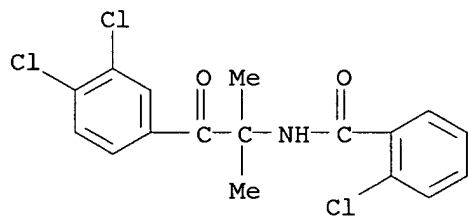
RN 356032-96-7 CAPLUS

CN Benzamide, N-[2-(3,4-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 356032-97-8 CAPLUS

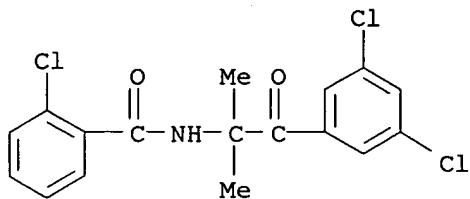
CN Benzamide, 2-chloro-N-[2-(3,4-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356032-98-9 CAPLUS

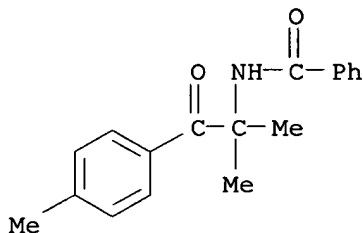
CN Benzamide, 2-chloro-N-[2-(3,5-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)

10/614,116



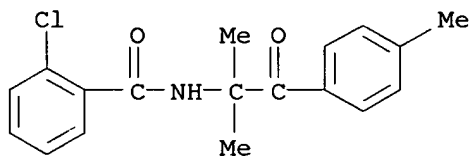
RN 356032-99-0 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-(4-methylphenyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



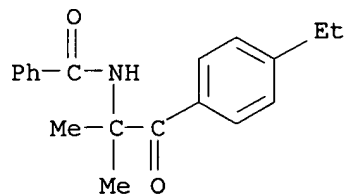
RN 356033-00-6 CAPLUS

CN Benzamide, 2-chloro-N-[1,1-dimethyl-2-(4-methylphenyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356033-01-7 CAPLUS

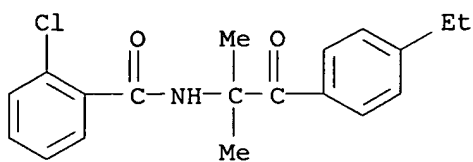
CN Benzamide, N-[2-(4-ethylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356033-02-8 CAPLUS

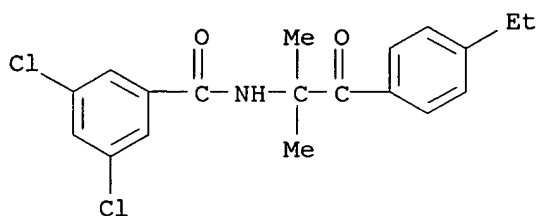
CN Benzamide, 2-chloro-N-[2-(4-ethylphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)

10/614,116



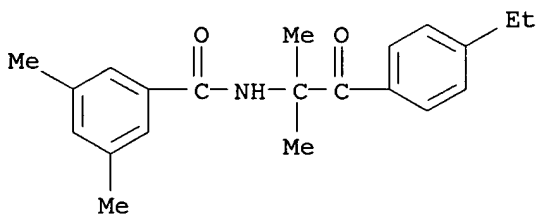
RN 356033-03-9 CAPLUS

CN Benzamide, 3,5-dichloro-N-[2-(4-ethylphenyl)-1,1-dimethyl-2-oxoethyl]-
(9CI) (CA INDEX NAME)



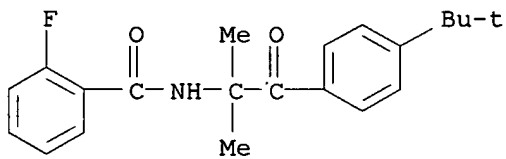
RN 356033-04-0 CAPLUS

CN Benzamide, N-[2-(4-ethylphenyl)-1,1-dimethyl-2-oxoethyl]-3,5-dimethyl-
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RN 356033-05-1 CAPLUS

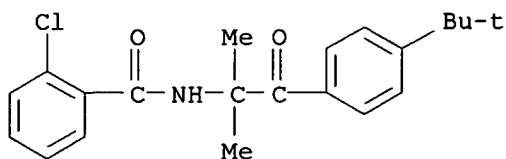
CN Benzamide, N-[2-[4-(1,1-dimethylethyl)phenyl]-1,1-dimethyl-2-oxoethyl]-2-
fluoro- (9CI) (CA INDEX NAME)



RN 356033-06-2 CAPLUS

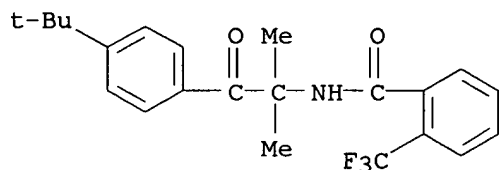
CN Benzamide, 2-chloro-N-[2-[4-(1,1-dimethylethyl)phenyl]-1,1-dimethyl-2-
oxoethyl]- (9CI) (CA INDEX NAME)

10/614,116



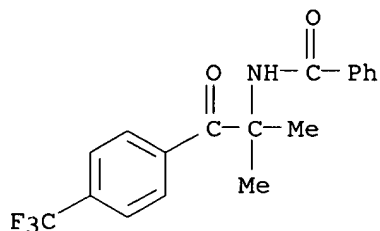
RN 356033-07-3 CAPLUS

CN Benzamide, N-[2-[4-(1,1-dimethylethyl)phenyl]-1,1-dimethyl-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



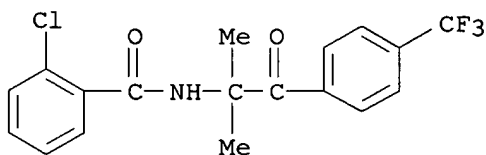
RN 356033-08-4 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(trifluoromethyl)phenyl]ethyl]- (9CI) (CA INDEX NAME)



RN 356033-09-5 CAPLUS

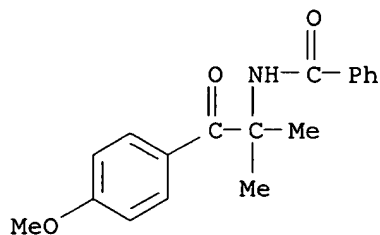
CN Benzamide, 2-chloro-N-[1,1-dimethyl-2-oxo-2-[4-(trifluoromethyl)phenyl]ethyl]- (9CI) (CA INDEX NAME)



RN 356033-10-8 CAPLUS

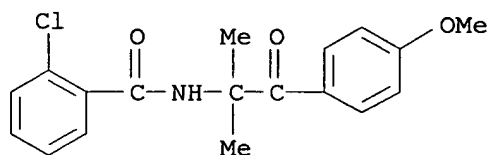
CN Benzamide, N-[2-(4-methoxyphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)

10/614,116



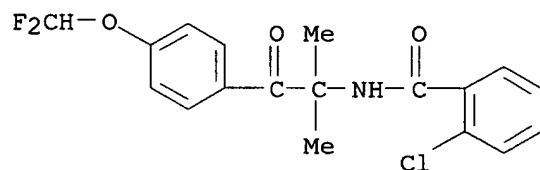
RN 356033-11-9 CAPLUS

CN Benzamide, 2-chloro-N-[2-(4-methoxyphenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)



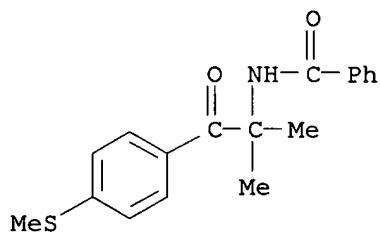
RN 356033-12-0 CAPLUS

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RN 356033-13-1 CAPLUS

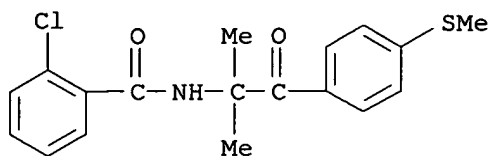
CN Benzamide, N-[1,1-dimethyl-2-[4-(methylthio)phenyl]-2-oxoethyl]- (9CI)
(CA INDEX NAME)



RN 356033-14-2 CAPLUS

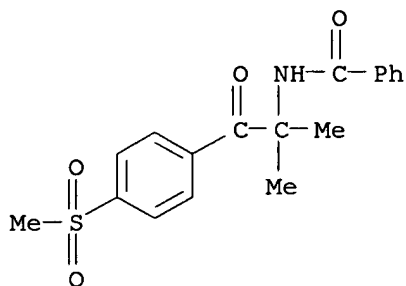
CN Benzamide, 2-chloro-N-[1,1-dimethyl-2-[4-(methylthio)phenyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

10/614,116



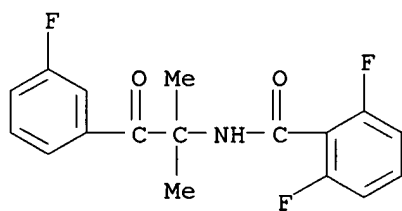
RN 356033-15-3 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-[4-(methylsulfonyl)phenyl]-2-oxoethyl]- (9CI)
(CA INDEX NAME)



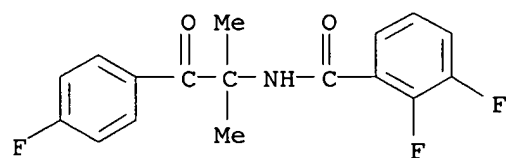
RN 356033-19-7 CAPLUS

CN Benzamide, 2,6-difluoro-N-[2-(3-fluorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356033-20-0 CAPLUS

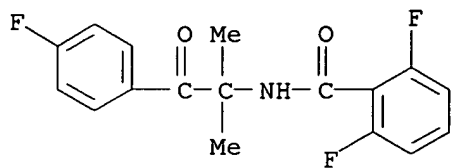
CN Benzamide, 2,6-difluoro-N-[2-(4-fluorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356033-21-1 CAPLUS

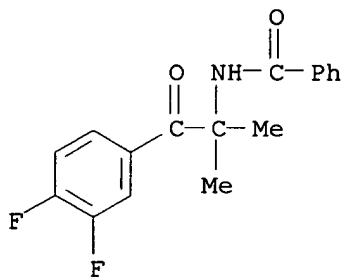
CN Benzamide, 2,6-difluoro-N-[2-(4-fluorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)

10/614,116



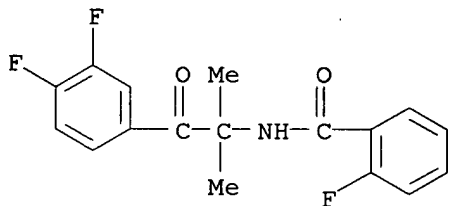
RN 356033-22-2 CAPLUS

CN Benzamide, N-[2-(3,4-difluorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



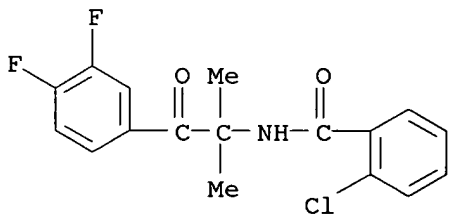
RN 356033-23-3 CAPLUS

CN Benzamide, N-[2-(3,4-difluorophenyl)-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 356033-24-4 CAPLUS

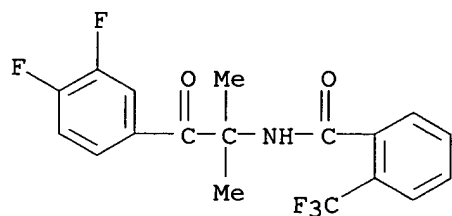
CN Benzamide, 2-chloro-N-[2-(3,4-difluorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356033-25-5 CAPLUS

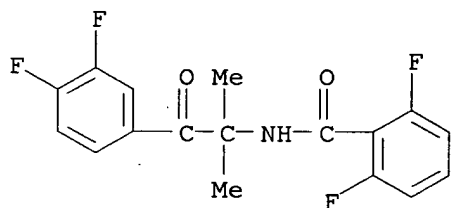
CN Benzamide, N-[2-(3,4-difluorophenyl)-1,1-dimethyl-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/614,116



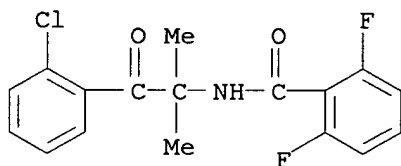
RN 356033-26-6 CAPLUS

CN Benzamide, N-[2-(3,4-difluorophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)



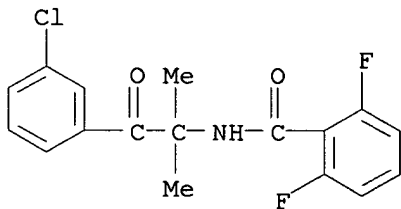
RN 356033-27-7 CAPLUS

CN Benzamide, N-[2-(2-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)



RN 356033-28-8 CAPLUS

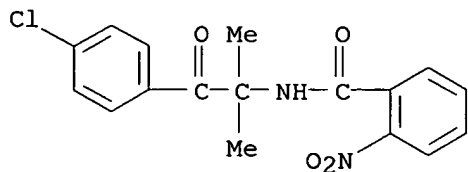
CN Benzamide, N-[2-(3-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)



RN 356033-29-9 CAPLUS

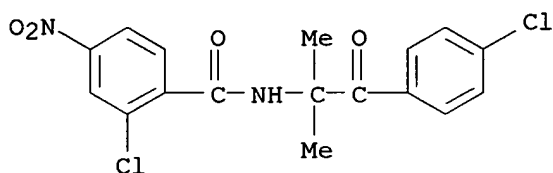
CN Benzamide, N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-2-nitro- (9CI)
(CA INDEX NAME)

10/614,116



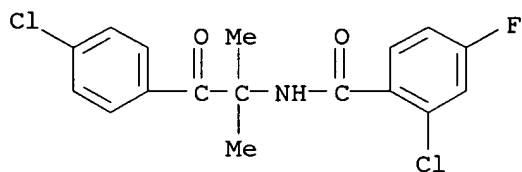
RN 356033-30-2 CAPLUS

CN Benzamide, 2-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-4-nitro-
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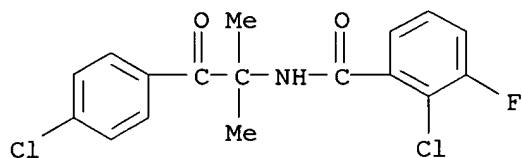
RN 356033-31-3 CAPLUS

CN Benzamide, 2-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-4-
fluoro- (9CI) (CA INDEX NAME)



RN 356033-32-4 CAPLUS

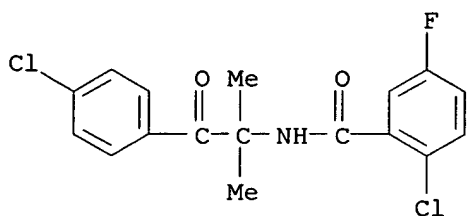
CN Benzamide, 2-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-3-
fluoro- (9CI) (CA INDEX NAME)



RN 356033-33-5 CAPLUS

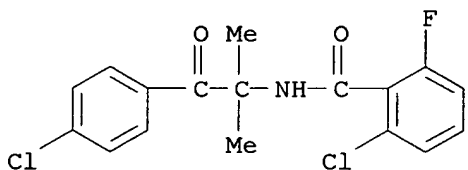
CN Benzamide, 2-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-5-
fluoro- (9CI) (CA INDEX NAME)

10/614,116



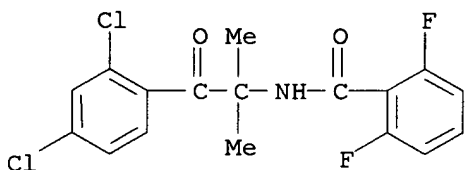
RN 356033-34-6 CAPLUS

CN Benzamide, 2-chloro-N-[2-(4-chlorophenyl)-1,1-dimethyl-2-oxoethyl]-6-fluoro- (9CI) (CA INDEX NAME)



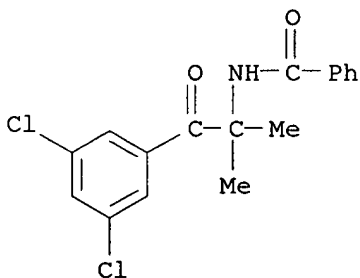
RN 356033-35-7 CAPLUS

CN Benzamide, N-[2-(2,4-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 356033-36-8 CAPLUS

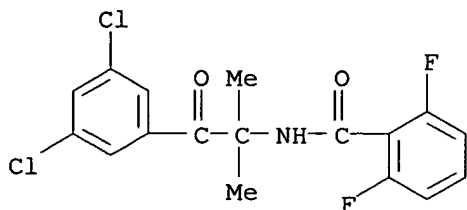
CN Benzamide, N-[2-(3,5-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356033-37-9 CAPLUS

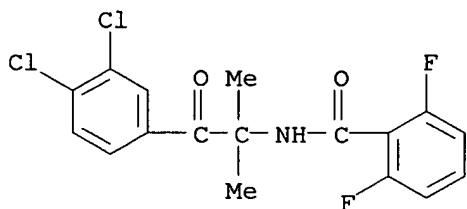
CN Benzamide, N-[2-(3,5-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)

10/614,116



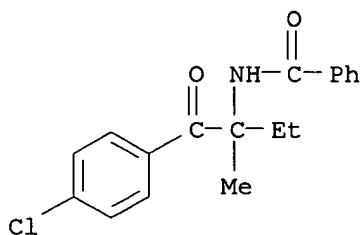
RN 356033-38-0 CAPLUS

CN Benzamide, N-[2-(3,4-dichlorophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)



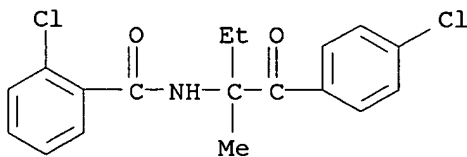
RN 356033-39-1 CAPLUS

CN Benzamide, N-[1-(4-chlorobenzoyl)-1-methylpropyl]- (9CI) (CA INDEX NAME)



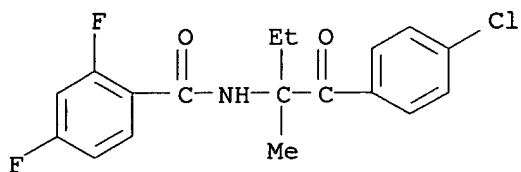
RN 356033-40-4 CAPLUS

CN Benzamide, 2-chloro-N-[1-(4-chlorobenzoyl)-1-methylpropyl]- (9CI) (CA
INDEX NAME)



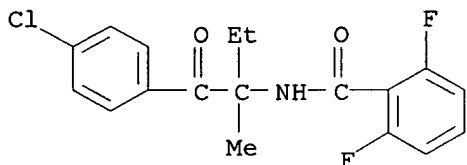
RN 356033-41-5 CAPLUS

CN Benzamide, N-[1-(4-chlorobenzoyl)-1-methylpropyl]-2,4-difluoro- (9CI) (CA
INDEX NAME)



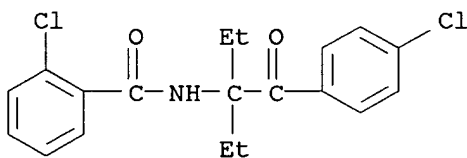
RN 356033-42-6 CAPLUS

CN Benzamide, N-[1-(4-chlorobenzoyl)-1-methylpropyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



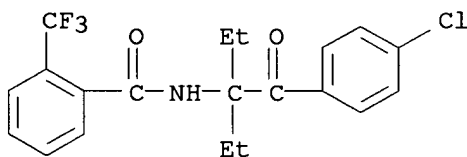
RN 356033-43-7 CAPLUS

CN Benzamide, 2-chloro-N-[1-(4-chlorobenzoyl)-1-ethylpropyl]- (9CI) (CA INDEX NAME)



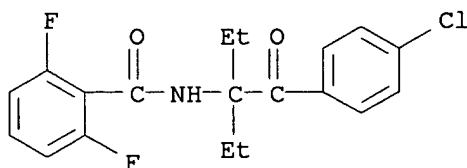
RN 356033-44-8 CAPLUS

CN Benzamide, N-[1-(4-chlorobenzoyl)-1-ethylpropyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 356033-45-9 CAPLUS

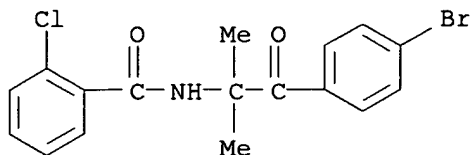
CN Benzamide, N-[1-(4-chlorobenzoyl)-1-ethylpropyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



10/614,116

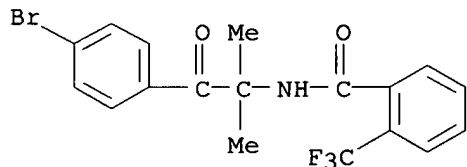
RN 356033-46-0 CAPLUS

CN Benzamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-2-chloro- (9CI)
(CA INDEX NAME)



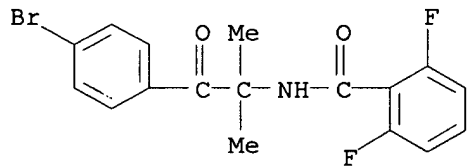
RN 356033-47-1 CAPLUS

CN Benzamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



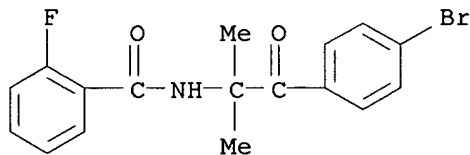
RN 356033-48-2 CAPLUS

CN Benzamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 356033-49-3 CAPLUS

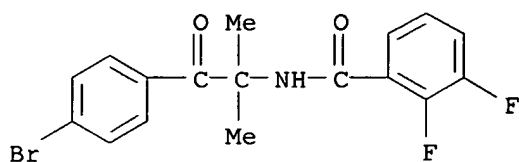
CN Benzamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI)
(CA INDEX NAME)



RN 356033-50-6 CAPLUS

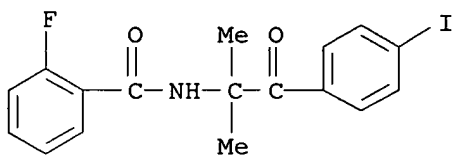
CN Benzamide, N-[2-(4-bromophenyl)-1,1-dimethyl-2-oxoethyl]-2,3-difluoro- (9CI) (CA INDEX NAME)

10/614,116



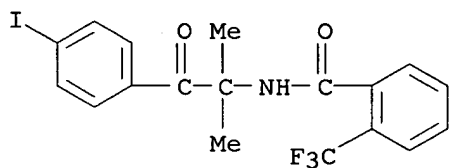
RN 356033-51-7 CAPLUS

CN Benzamide, 2-fluoro-N-[2-(4-iodophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI)
(CA INDEX NAME)



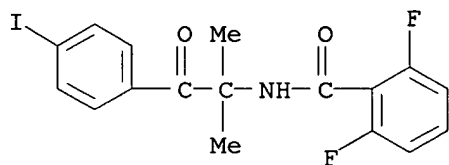
RN 356033-52-8 CAPLUS

CN Benzamide, N-[2-(4-iodophenyl)-1,1-dimethyl-2-oxoethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



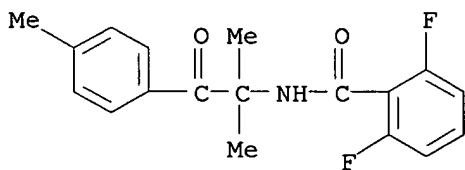
RN 356033-53-9 CAPLUS

CN Benzamide, 2,6-difluoro-N-[2-(4-iodophenyl)-1,1-dimethyl-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 356033-54-0 CAPLUS

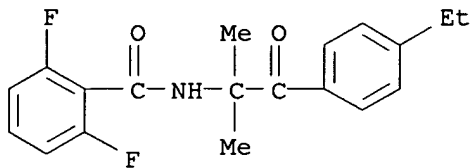
CN Benzamide, N-[1,1-dimethyl-2-(4-methylphenyl)-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 356033-55-1 CAPLUS

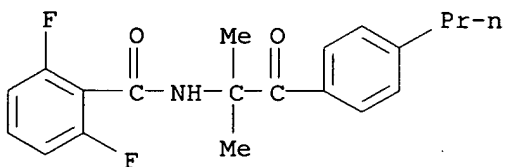
10/614,116

CN Benzamide, N-[2-(4-ethylphenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)



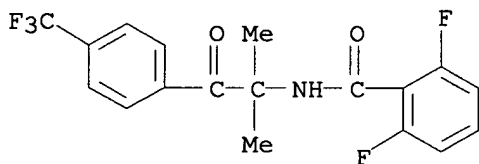
RN 356033-56-2 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(4-propylphenyl)ethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)



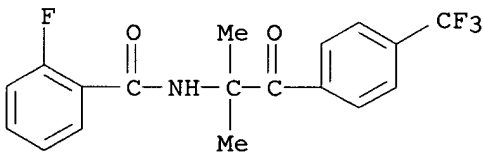
RN 356033-57-3 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(trifluoromethyl)phenyl]ethyl]-2,6-
difluoro- (9CI) (CA INDEX NAME)



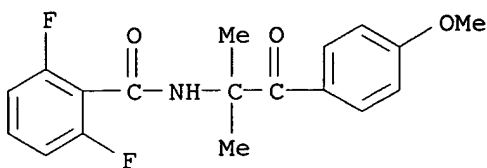
RN 356033-58-4 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(trifluoromethyl)phenyl]ethyl]-2-
fluoro- (9CI) (CA INDEX NAME)

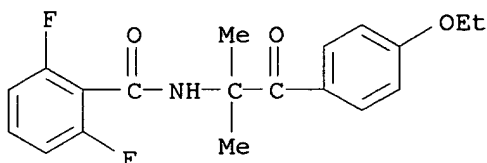


RN 356033-59-5 CAPLUS

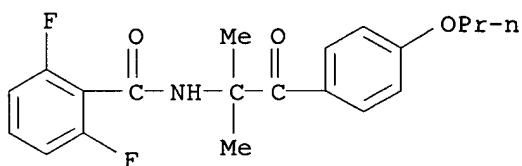
CN Benzamide, 2,6-difluoro-N-[2-(4-methoxyphenyl)-1,1-dimethyl-2-oxoethyl]-
(9CI) (CA INDEX NAME)



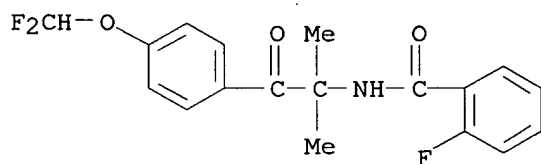
RN 356033-60-8 CAPLUS

CN Benzamide, N-[2-(4-ethoxyphenyl)-1,1-dimethyl-2-oxoethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)

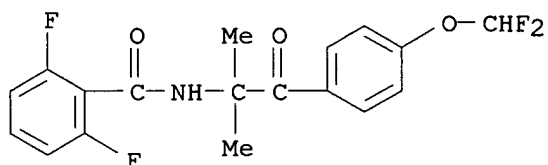
RN 356033-61-9 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(4-propoxyphenyl)ethyl]-2,6-difluoro-
(9CI) (CA INDEX NAME)

RN 356033-62-0 CAPLUS

CN Benzamide, N-[2-[4-(difluoromethoxy)phenyl]-1,1-dimethyl-2-oxoethyl]-2-
fluoro- (9CI) (CA INDEX NAME)

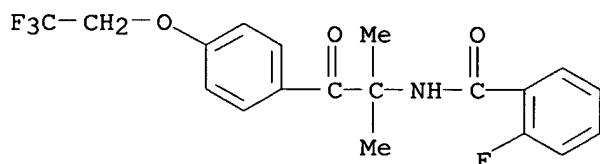
RN 356033-63-1 CAPLUS

CN Benzamide, N-[2-[4-(difluoromethoxy)phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-
difluoro- (9CI) (CA INDEX NAME)

10/614,116

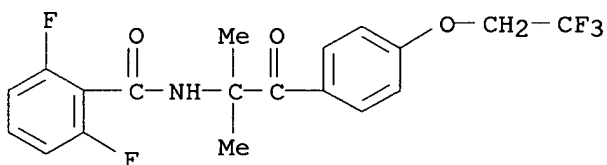
RN 356033-64-2 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(2,2,2-trifluoroethoxy)phenyl]ethyl]-2-fluoro- (9CI) (CA INDEX NAME)



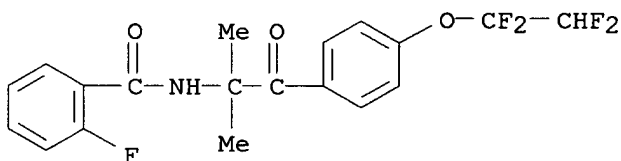
RN 356033-65-3 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(2,2,2-trifluoroethoxy)phenyl]ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



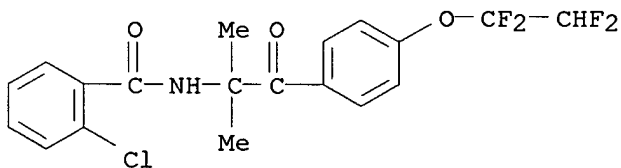
RN 356033-66-4 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]ethyl]-2-fluoro- (9CI) (CA INDEX NAME)



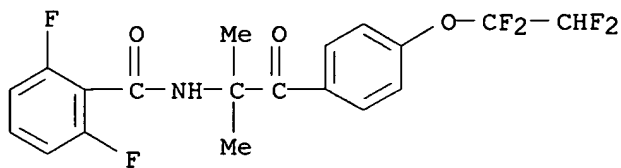
RN 356033-67-5 CAPLUS

CN Benzamide, 2-chloro-N-[1,1-dimethyl-2-oxo-2-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]ethyl]- (9CI) (CA INDEX NAME)



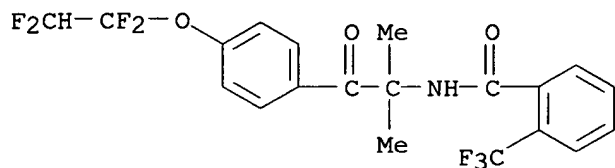
RN 356033-68-6 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



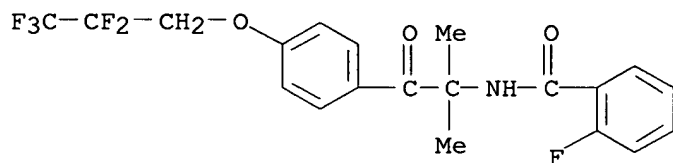
RN 356033-69-7 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]ethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



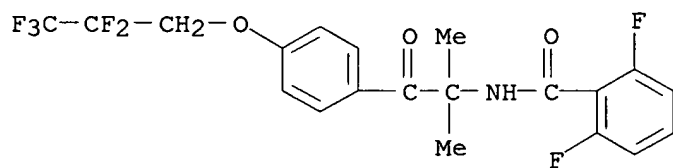
RN 356033-70-0 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(2,2,3,3,3-pentafluoropropoxy)phenyl]ethyl]-2-fluoro- (9CI) (CA INDEX NAME)



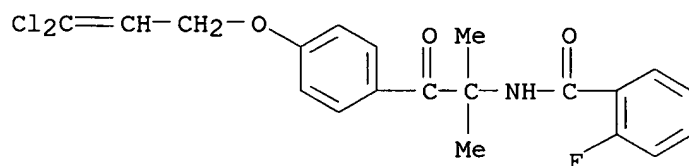
RN 356033-71-1 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(2,2,3,3,3-pentafluoropropoxy)phenyl]ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 356033-72-2 CAPLUS

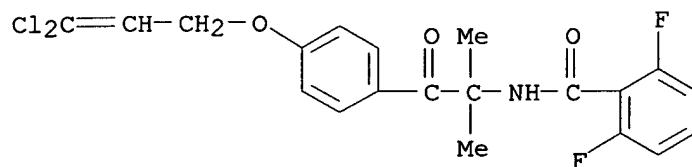
CN Benzamide, N-[2-[4-[(3,3-dichloro-2-propenyl)oxy]phenyl]-1,1-dimethyl-2-oxoethyl]-2-fluoro- (9CI) (CA INDEX NAME)



10/614,116

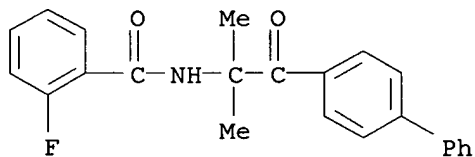
RN 356033-73-3 CAPLUS

CN Benzamide, N-[2-[4-[(3,3-dichloro-2-propenyl)oxy]phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



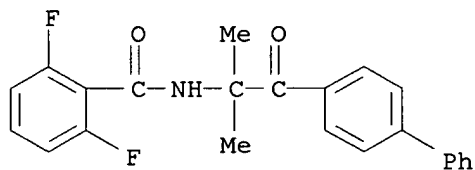
RN 356033-74-4 CAPLUS

CN Benzamide, N-(2-[1,1'-biphenyl]-4-yl-1,1-dimethyl-2-oxoethyl)-2-fluoro- (9CI) (CA INDEX NAME)



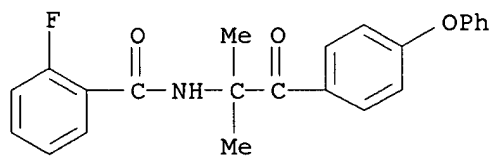
RN 356033-75-5 CAPLUS

CN Benzamide, N-(2-[1,1'-biphenyl]-4-yl-1,1-dimethyl-2-oxoethyl)-2,6-difluoro- (9CI) (CA INDEX NAME)



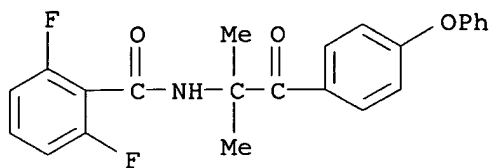
RN 356033-76-6 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(4-phenoxyphenyl)ethyl]-2-fluoro- (9CI) (CA INDEX NAME)



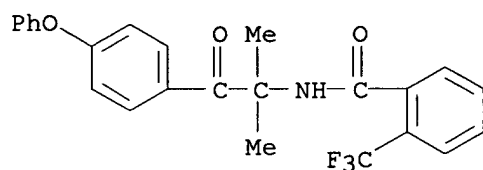
RN 356033-77-7 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(4-phenoxyphenyl)ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



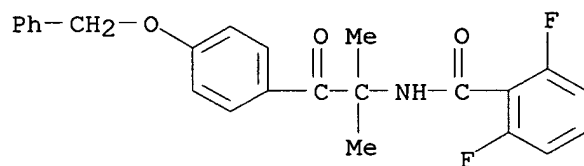
RN 356033-78-8 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-(4-phenoxyphenyl)ethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



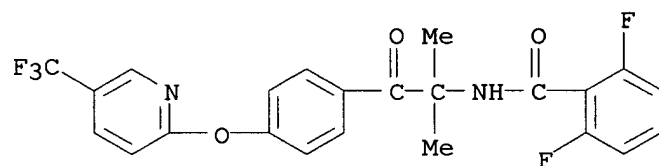
RN 356033-79-9 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-(phenylmethoxy)phenyl]ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



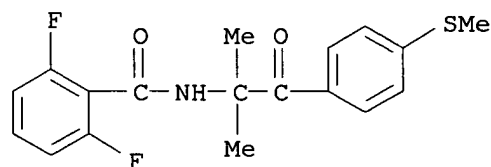
RN 356033-80-2 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-oxo-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]ethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



RN 356033-81-3 CAPLUS

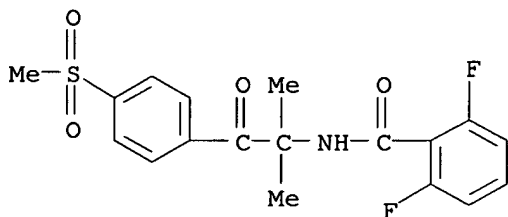
CN Benzamide, N-[1,1-dimethyl-2-[4-(methylthio)phenyl]-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



10/614,116

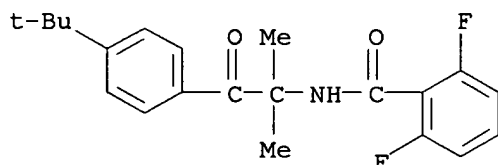
RN 356033-82-4 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-[4-(methylsulfonyl)phenyl]-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)

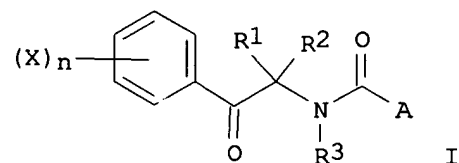


RN 356033-83-5 CAPLUS

CN Benzamide, N-[2-[4-(1,1-dimethylethyl)phenyl]-1,1-dimethyl-2-oxoethyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



GI



AB The title compds. I [A is alkyl, cycloalkyl, etc.; R1 and R2 are each alkyl, or alternatively R1 and R2 may be united to form a 3- to 6-membered saturated carbocycle; R3 is hydrogen, alkyl, alkoxyalkyl, etc.; X is halogeno, alkyl, haloalkyl, alkenyl, alkoxy, etc.; and n is an integer of 0 to 5] are prepared A process for preparing I is also claimed. Oral administration of compds. of this invention gave good control of *Dirofilaria immitis* in dogs.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:446902 CAPLUS

DN 129:175959

TI Reaction of (Trifluoromethyl)trimethylsilane with Oxazolidin-5-ones:
Synthesis of Peptidic and Nonpeptidic Trifluoromethyl Ketones

AU Walter, Magnus W.; Adlington, Robert M.; Baldwin, Jack E.; Schofield, Christopher J.

CS Dyson Perrins Laboratory, Oxford, OX1 3QY, UK

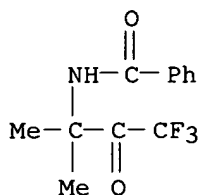
SO Journal of Organic Chemistry (1998), 63(15), 5179-5192

CODEN: JOCEAH; ISSN: 0022-3263

PB American Chemical Society

10/614,116

DT Journal
LA English
OS CASREACT 129:175959
IT **191981-61-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of peptide and nonpeptide trifluoromethyl ketones via reaction
of (trifluoromethyl)trimethylsilane with oxazolidinones)
RN 191981-61-0 CAPLUS
CN Benzamide, N-(3,3,3-trifluoro-1,1-dimethyl-2-oxopropyl)- (9CI) (CA INDEX
NAME)



AB (Trifluoromethyl)trimethylsilane (TMS-CF₃, the Ruppert Reagent) reacts with a variety of amino acid derived N-substituted oxazolidin-5-ones in excellent yields. Mild acid hydrolysis of adducts with electron-releasing substituents at C-2 affords N-substituted α -amino trifluoromethyl ketones (TFMKs). N-CBZ-protected α -amino TFMKs are converted into hitherto unreported hydrochloride salts of α -amino TFMKs by hydrogenolysis. Coupling with amino acid fluorides gives access to peptidic TFMKs which are of utility as protease inhibitors.

RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

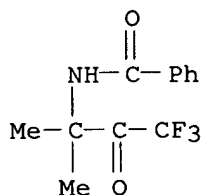
L4 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1997:467739 CAPLUS
DN 127:95610
TI Preparation of alpha-aminotrifluoromethylketones as metallo-beta-lactamase inhibitors
IN Schofield, Christopher Joseph; Walter, Magnus W.; Adlington, Robert M.; Baldwin, Jack E.; Frere, Jean-Marie; Felici, Antonio
PA Isis Innovation Limited, UK
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9719681	A1	19970605	WO 1996-GB2922	19961127
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 863753	A1	19980916	EP 1996-939998	19961127
	EP 863753	B1	20020717		
	R: BE, DE, ES, FR, GB, IT				
	JP 2000504311	T2	20000411	JP 1997-520273	19961127
	ES 2176514	T3	20021201	ES 1996-939998	19961127
	US 6043278	A	20000328	US 1998-77333	19980615
PRAI	GB 1995-24267	A	19951128		
	WO 1996-GB2922	W	19961127		
OS	MARPAT 127:95610				
IT	191981-61-0P				
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological				

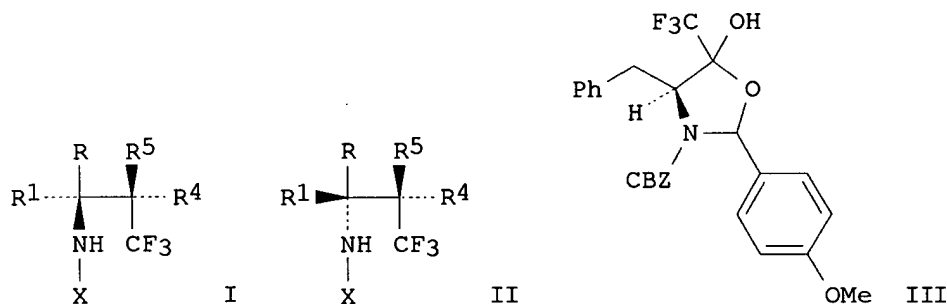
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of alpha-aminotrifluoromethylketones as metallo-beta-lactamase
 inhibitors)

RN 191981-61-0 CAPLUS

CN Benzamide, N-(3,3,3-trifluoro-1,1-dimethyl-2-oxopropyl)- (9CI) (CA INDEX
 NAME)



GI



AB The title compds., perfluoro-lower-alkyl derivs. of amino acids, [I and II; R, R1 = H, (un)substituted C1-12 hydrocarbyl; when R4 = OH, R5 = H, C1-12 hydrocarbyl; when R5 = OH, C1-12 hydrocarbyl; or R4, R5 = H, or together = O; X = COR, COCH2OR, CO2R, etc.] are prepared A new synthetic route is provided for preparing I and II by converting α -amino acids to oxazolidin-5-ones which are then reacted with Ruppert's Reagent. I and II and their peptides are shown to have a new property of inhibiting or inactivating metallo- β -lactamase enzymes, and are thus valuable components of antibacterial formulations (no data). Thus, oxazolidine derivative (III) (preparation given) was treated with acidic cation exchange resin to give (3S)-3-amino-N-benzyloxycarbonyl-4-phenyl-1,1,1-trifluorobutan-2-one.

L4 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:138172 CAPLUS

DN 106:138172

TI Reactions of azirines with sulfur-containing nucleophiles. 4. Reaction of 2H-azirine with mercapto-substituted acids. Reactions of aziridinyl alkyl sulfides with carboxylic acids and their chlorides

AU El'kinson, R. S.; Ereemeev, A. V.

CS Inst. Org. Sint., Riga, 226006, USSR

SO Khimiya Geterotsiklicheskih Soedinenii (1986), (2), 206-11
 CODEN: KGSSAQ; ISSN: 0453-8234

DT Journal

LA Russian

10/614,116

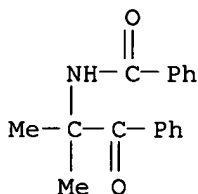
OS CASREACT 106:138172

IT **56965-16-3P**

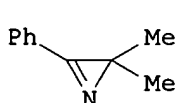
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 56965-16-3 CAPLUS

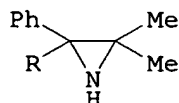
CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



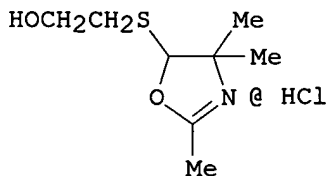
GI



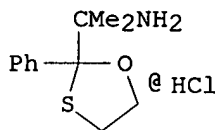
I



II



III



IV

AB Treating 2H-azirine I with HS(CH₂)_nCO₂H (n = 1, 2) gave PhCOCMe₂NHCO(CH₂)_nSH. Similar treatment of I with HSCH₂CO₂Et gave 72% II (R = SCH₂CO₂Et); HSCH₂CH(NHAc)CO₂Na gave 57% II [R = SCH₂CH(NHAc)CO₂Na]; and HSCH₂CH(NH₂)CH₂CO₂Na gave 51% II [R = SCH₂CH(NH₂)CO₂Na]. Treating II (R = HOCH₂CH₂S, Me₂NCH₂CH₂S) with R₁CO₂H (R₁ = Ph, PhCH:CH, PhC.tplbond.C, CH₂:CH) gave PhCOCMe₂NHCOR₁ by elimination of the ethanethiol group. Also obtained were 84.4% oxazoline III and quant. oxathiolane IV.

L4 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:591656 CAPLUS

DN 101:191656

TI Friedel-Crafts acylation with N-(trifluoroacetyl)-α-amino acid chlorides. Application to the preparation of β-arylalkylamines and 3-substituted 1,2,3,4-tetrahydroisoquinolines

AU Nordlander, J. Eric; Payne, Mark J.; Njoroge, F. George; Balk, Michael A.; Laikos, George D.; Vishwanath, Vasanth M.

CS Dep. Chem., Case West. Reserve Univ., Cleveland, OH, 44106, USA

SO Journal of Organic Chemistry (1984), 49(22), 4107-11
CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

OS CASREACT 101:191656

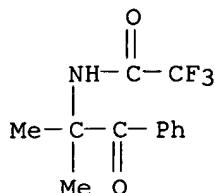
IT **91994-55-7P 91994-56-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and reduction of)

RN 91994-55-7 CAPLUS

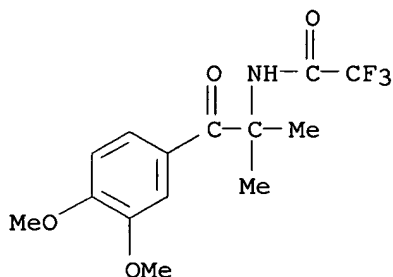
10/614,116

CN Acetamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)-2,2,2-trifluoro- (9CI)
(CA INDEX NAME)



RN 91994-56-8 CAPLUS

CN Acetamide, N-[2-(3,4-dimethoxyphenyl)-1,1-dimethyl-2-oxoethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



AB Several N-(trifluoroacetyl)- α -amino acid chlorides reacted with benzene, anisole, and veratrole in the presence of AlCl_3 or SnCl_4 to produce the corresponding aromatic ketones in fair to high yields. The products were reduced under neutral or acidic conditions to the corresponding N-(trifluoroacetyl)- β -hydroxy- β -arylalkylamines or N-(trifluoroacetyl)- β -arylalkylamines. The latter were detrifluoroacetylated by mild basic hydrolysis, and converted to the corresponding 3-substituted 1,2,3,4-tetrahydroisoquinolines by condensation with CH_2O .

L4 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:121298 CAPLUS

DN 100:121298

TI Synthetic applications of tricarbonyl- η^6 -arenechromium(0) complexes: the synthesis of benzo-fused heterocycles

AU Ghavshou, Michael; Widdowson, David A.

CS Dep. Chem., Imp. Coll., London, SW7 2AY, UK

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1983), (12), 3065-70

CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

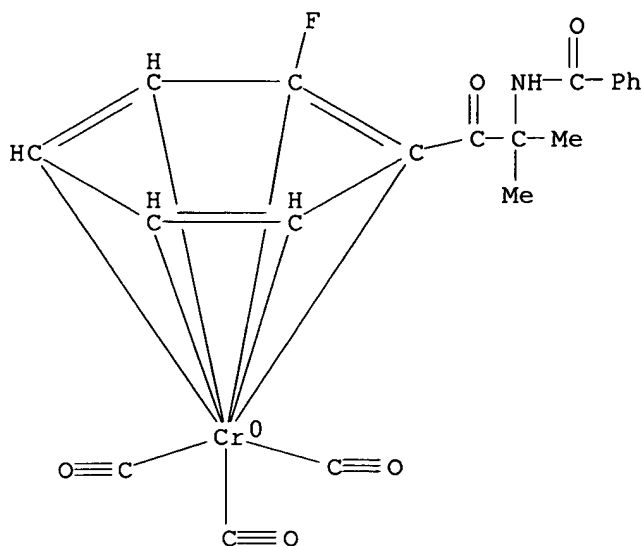
OS CASREACT 100:121298

IT **89252-37-9P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 89252-37-9 CAPLUS

CN Chromium, tricarbonyl[N-[2-(η^6 -2-fluorophenyl)-1,1-dimethyl-2-oxoethyl]benzamide]- (9CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.

AB Treatment of tricarbonyl(η^6 -2-trifluorolithiobenzene)chromium(0) (I) with bifunctional electrophiles gave 5-, 6-, or 7-membered benzo-fused heterocycles by a multistep cycloaddn. reaction. E.g., treatment of I with 2 equiv PhNCO in THF at -78° for 2 h, at -20° for 2 h, and finally at room temperature for 16 h gave the quinazolinedione complex II in 90% yield.

L4 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:139155 CAPLUS

DN 94:139155

TI Sulfinate as cocatalyst. 3. Palladium-catalyzed dimerization of butadiene with acylamino ketones

AU Tamaru, Y.; Suzuki, R.; Kagotani, M.; Yoshida, Z.

CS Dep. Synth. Chem., Kyoto Univ., Kyoto, 606, Japan

SO Tetrahedron Letters (1980), 21(39), 3791-4

CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English

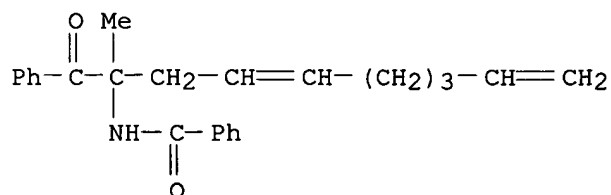
OS CASREACT 94:139155

IT **77086-74-9P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 77086-74-9 CAPLUS

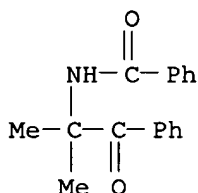
CN Benzamide, N-(1-benzoyl-1-methyl-3,8-nonadienyl)- (9CI) (CA INDEX NAME)



AB 1,3-Butadiene dimerized and reacted regiospecifically with aliphatic and aromatic α -acylamino ketones (PdCl₂-p-MeC₆H₄SO₂Na complex catalyst, DMF, ambient temperature, 20 h) to give α -acylamino α -(2,7-

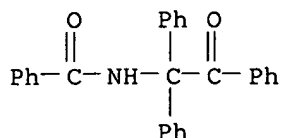
octadienyl) ketones (62-91%). E.g., 91% MeCOCH(NHAc)CH₂CH:CH(CH₂)₃CH:CH₂ was obtained from 1,3-butadiene and MeCOCH₂NHAc.

L4 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1975:531379 CAPLUS
 DN 83:131379
 TI Small ring compounds. 21. Addition of acid chlorides to azirines.
 Functionalized aziridines and oxazolines
 AU Hassner, Alfred; Burke, Susan S.; I, Jesse C.
 CS Dep. Chem., Univ. Colorado, Boulder, CO, USA
 SO Journal of the American Chemical Society (1975), 97(16), 4692-700
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA English
 OS CASREACT 83:131379
 IT **56965-16-3P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 56965-16-3 CAPLUS
 CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.
 AB Acyl chlorides RCOCl add readily to 3,3-dimethyl-2-phenylazirine I, and the products II can be converted to functionalized (azido, acetoxy)N-acylaziridines and oxazolines, e.g., III. These conversions proceed via N-acylazirinium ions. Spectral and mechanistic interpretations are presented.

L4 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1970:434974 CAPLUS
 DN 73:34974
 TI Alkali metal adducts of benzophenone azine. I. Sodium and potassium adducts
 AU MacPherson, E. J.; Smith, James Graham
 CS Dep. Chem., Univ. Waterloo, Waterloo, ON, Can.
 SO Canadian Journal of Chemistry (1970), 48(12), 1904-14
 CODEN: CJCHAG; ISSN: 0008-4042
 DT Journal
 LA English
 OS CASREACT 73:34974
 IT **27962-31-8P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 27962-31-8 CAPLUS
 CN Benzamide, N-(α,α-diphenylphenacyl)- (8CI) (CA INDEX NAME)



AB The reaction between benzophenone azine (I) and Na or K gives an adduct containing 2 g atoms alkali metal per mole azine; a 1,2-dianionic structure is most consistent with its chemical behavior. Treatment of the adduct with MeI, 1,3-dibromopropane, or 1,4-dibromobutane gives alkylation on the benzylic C and adjacent N. However, regeneration of I occurred with CH₂I₂, 1,2-dibromoethane, and benzyl chloride. With ClCO₂Et, reaction occurred at the carbanionic center to form an intermediate unstable anion. This anion could be protonated or alkylated, but if allowed to stand, decomposed to Ph₂CN₂ and the anion of Et diphenylacetate. Reaction of I dianion with BzOMe is quite complicated and leads to substantial amts. of I being regenerated by electron transfer. That portion of the dianion which is not converted into azine reacts with BzOMe to produce the anion of α-benzamido-α-α-diphenylacetophenone. The possibility that an adduct of N-benzoylbenzophenone imine is an intermediate in this last reaction is examined and rejected.

L4 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1915:4101 CAPLUS

DN 9:4101

OREF 9:629a-e

TI Some thiazoles and oxazoles

AU Bachstetz, Marcel

CS Univ. Berlin

SO Ber. (1914), 47, 3163-9

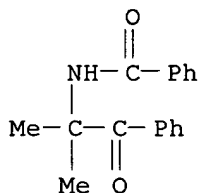
DT Journal

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IT **56965-16-3**, Isobutyrophenone, α-benzamido-
(preparation of)

RN 56965-16-3 CAPLUS

CN Benzamide, N-(1,1-dimethyl-2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)



AB cf. Gabriel, C. A. 4, 2477; Rudenburg, C. A. 8, 686. From 2 g. each of BzNHCH₂CH(OEt)₂ and P₂S₅, heated on the H₂O bath till the foaming ceases, is obtained 0.3 g. 2-phenylthiazole (Hubacher, Ann. 269, 234) . 1 g. HCONHCH₂Bz (a), m. 81-2° (Pictet and Gams, C. A. 4, 3222, give 70-1°), heated 10 min. with 1.5 g. P₂S₅, gives 0.6 g. 5-phenylthiazole, iridescent leaflets, m. 45-6°; hydrochloride, hygroscopic needles, decompose by much H₂O or by warming; chloroplatinate, yellow precipitate, decompose 281-2°; chloraurate, yellow-red rhombic plates, sinters 170°, m. 185°, decompose about 223°; chromate, ocher-yellow rodlets and needles from 10% HCl, m. 108-9° (decompose); picrate, light yellow needles, m. 138-9° (decompose). 5-Phenyloxazole, from (a) and PCl₅ after 10 min. on the H₂O bath, m.